

GULF OIL 1 FEDERAL
NE/SW 30-36N-9W Mohave Co.

706

COUNTY MOHAVE AREA _____ LEASE NO. A-9497

WELL NAME GULF OIL FEDERAL NO. 1 (Cordillera "B5" Federal)
 LOCATION NE SW SEC 30 TWP 36N RANGE 9W FOOTAGE 2083' FSL & 1967' FWL
 ELEV 6335' GR 6350 KB SPUD DATE 10-10-80 STATUS P+A TOTAL _____
 COMP. DATE 11-21-80 DEPTH 5961

CONTRACTOR _____
 CASING SIZE _____ DEPTH _____ CEMENT _____ LINER SIZE & DEPTH _____
 DRILLED BY ROTARY _____
 DRILLED BY CABLE TOOL _____
 PRODUCTIVE RESERVOIR _____
 INITIAL PRODUCTION _____

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>Cocconino</u>	<u>1015-70</u>			<u>Limestone, gypsum</u>
<u>Hermit</u>	<u>1070-2495</u>			<u>Rd sandstone, anhydrite, gypsum, shale, limestone</u>
<u>Pahoon</u>	<u>2495-2940</u>			<u>Imstr, dolomite, sdstr.</u>
<u>Collville</u>	<u>2940-4550</u>			<u>Cpstr, Imstr, shale, dolomite</u>
<u>Cambrian</u>	<u>4550-5930</u>			<u>Imstr, sdstr, shale, dolomite</u>
<u>Precambrian</u>	<u>5930-61</u>			<u>Granite</u>

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>Steel Ind - SFL</u>	<u>Torowasp 405</u>		<u>SAMPLE DESCRP.</u>
<u>Borehole Comp. Log</u>	<u>Cocconino 955</u>		<u>SAMPLE NO. <u>1815</u></u>
<u>Comp. Neutron, Im. Density</u>	<u>Her-Supai 1048</u>		<u>CORE ANALYSIS</u>
<u>Collville Log - Gamma Ray</u>	<u>Pahoon 2490</u>		<u>DSTs</u>
<u>Collville neutron</u>	<u>Collville 2938</u>		
<u>Continuous Gamma Ray</u>	<u>Molas 4672</u>		
<u>Continuous Neutron</u>	<u>Redwall 4672</u>		
<u>Fracture Ind</u>	<u>Devonian 5044</u>		
REMARKS _____	<u>Cambrian 5228</u>		<u>APP. TO PLUG</u>
	<u>Bright Angel 5318</u>		<u>PLUGGING REP.</u>
	<u>Topsoil 5714</u>		<u>COMP. REPORT</u>
	<u>Granite 5725</u>		

WATER WELL ACCEPTED BY _____
 BOND CO. ~~XXXXXXXX~~ Federal Ins. Co. BOND NO. 8031-74-54
 BOND AMT. \$ \$25,000 CANCELLED 11/4/87 DATE 9-1-67 ORGANIZATION REPORT X
 FILING RECEIPT 1820 LOC. PLAT X WELL BOOK X PLAT BOOK X
 API NO. 02-015-20009 DATE ISSUED 5-15-80 DEDICATION N/2 SW/4

PERMIT NUMBER 706
 (over) 5-21-81

RECEIVED

JAN 12 1981

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

O & G CONS. COMM

New Well Work-Over Deepen Plug Back Same Reservoir Different Reservoir OR Gas Dry

DESCRIPTION OF WELL AND LEASE

Operator: Gulf Oil Corporation Address: P. O. Box 670, Hobbs, NM 88240

Federal, State or Indian Lease Number or name of lessor if fee lease: Cordillera "BJ" Federal Well Number: 1 Field & Reservoir: Wildcat

Location: 2083' FSL & 1967' FWL County: Mohave

Sec TWP-range or Block & Survey: Sec 30-T26N-R9W

Date spudded: 10-10-80 Date total depth reached: 5961' Date completed, ready to produce: P&A Elevation (DF, RCB, RT or Gr.): 6335' GL Elevation of casing hd. Range: -- feet

Total depth: 5961' P.B.T.D.: -- Single, dual or triple completion?: P&A If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: P&A Rotary tools used (interval): 0'-5961' Cable tools used (interval): --

Was this well directionally drilled? No Was directional survey made? No Was copy of directional survey filed? Date filed

Type of electrical or other logs run (check logs filed with the commission): SNP, BHC, DIL-SFL, CNL-FDC, CDT, Velocity Survey, Cyberdip Date filed

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
	14-3/4"	9-5/8"	36#	2510'	250	

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
None in.	ft.	ft.	in.	ft.	ft.		
None							

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval
None			None	

INITIAL PRODUCTION

Date of first production: P&A Producing method (indicate if flowing, gas lift or pumping--if pumping, show size & type of pump:)

Date of test	Hrs. tested	Choke size	Oil prod. during test	Gas prod. during test	Water prod. during test	Oil gravity
			bbbls.	MCF	bbbls.	* API (Corr)

Tubing pressure	Casing pressure	Cal'ated rate of Production per 24 hrs.	Oil	Gas	Water	Gas-oil ratio
			bbbls.	MCF	bbbls.	

Disposition of gas (state whether vented, used for fuel or sold):

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Area Drilling Superintendent of the Gulf Oil Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

Date: 1-6-81

Signature: R. L. Vaughn

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Well Completion or Recompletion Report and Well Log Form No. 4 File One Copy

Page No: 706

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Coconino	1015'	1070'	Limestone, Gypsum
Hermit	1070'	2495'	Rd Sandstone, Anhydrite, Gypsum, Shale, Limestone
Pakoon	2495'	2940'	Limestone, Dolomite, Sandstone
Callville	2940'	4550'	Chert, Limestone, Dolomite, Shale
Cambrian	4550'	5930'	Limestone, Sandstone, Shale, Dolomite
Precambrian	5930'	5961'	Granite
			Core #1 2820-27' recvd 6' Chert, dolomite
			Core #2 2827-40' recvd 13' Chert, dolomite
			Core #3 3240-41' 0' rcvry
			Core #4 3260-66' recvd 6' Chert, dolomite
			Core #5 3266-96' recvd 30' dolomite
			Core #6 4137-66' recvd 29' dolomite, Sh
			Core #7 4444-67' recvd 21' dolomite

** see Sandy Rpt
for 11-5-80 **

* Show all important zones of porosity, detail of all cores, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

INSTRUCTIONS:

Attach drillers log or other acceptable log of well.

This Well Completion or Recompletion report and well log shall be filed with the State of Arizona Gas Conservation Commission not later than thirty days after project completion.

RECEIVED

JAN 12 1981

PLUGGING RECORD					O & G CONS. COMM.
Operator Gulf Oil Corporation			Address P. O. Box 670, Hobbs, NM 88240		
Federal, State, or Indian Lease Number, or lessor's name if fee lease. Cordillera "BJ" Fed		Well No. 1	Field & Reservoir Wildcat		
Location of Well 2083' FSL & 1967' FWL			Sec-Twp-Rge or Block & Survey Sec 30-T26N-R9W	County Mohave	
Application to drill this well was filed in name of Same as Above	Has this well ever produced oil or gas No	Character of well at completion (initial production): Oil (bbls/day) None Gas (MCF/day) None Dry? Yes			
Date plugged: 12-3-80	Total depth 5961'	Amount well producing when plugged: Oil (bbls/day) None Gas (MCF/day) None Water (bbls/day) None			
Name of each formation containing oil or gas. Indicate which formation open to well-bore at time of plugging	Fluid content of each formation	Depth interval of each formation	Size, kind & depth of plugs used. Indicate zones squeeze cemented, giving amount cement		
Granite			100 sx Halco Lite		
			12 1/2# Gilsomite, 2%		
			CaCl₂ at 5000'; 50 sx		
			Halco Lite at 3555';		
			350 sx Halco at 1087';		
			50 sx surf plug		
CASING RECORD					
Size pipe 9-5/8"	Put in well (ft.) 2490'	Pulled out (ft.) 0	Left in well (ft.) 2490'	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
Was well filled with mud-laden fluid, according to regulations? Yes			Indicate deepest formation containing fresh water. Cambrian		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address		Direction from this well:		
Home Petroleum Company	2600 N. Loop West, Houston, TX		Northwest		
In addition to other information required on this form, if this well was plugged back for use as a fresh water well, give all pertinent details of plugging operations to base of fresh water sand, perforated interval to fresh water sand, name and address of surface owner, and attach letter from surface owner authorizing completion of this well as a water well and agreeing to assume full liability for any subsequent plugging which might be required.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Area Drilling Superintendent</u> of the <u>Gulf Oil Corporation</u> (company) and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.					
Date 1-6-81		Signature <i>R.L. Vaughn</i>			
Permit No. 706			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
			Form No. 10		

dey

APPLICATION TO ABANDON AND PLUG

RECEIVED
JAN 12 1981

O & G CONS. COMM.

FIELD Wildcat
OPERATOR Gulf Oil Corporation ADDRESS P. O. Box 670, Hobbs, NM 88240
Federal, State, or Indian Lease Number
or Lessor's Name if Fee Lease Cordillera "BJ" Federal WELL NO. 1
LOCATION 2083' FSL & 1967' FWL

TYPE OF WELL Dry Hole TOTAL DEPTH 5961'
(Oil, Gas or Dry Hole)
ALLOWABLE (If Assigned) None
LAST PRODUCTION TEST OIL None (Bbls.) WATER None (Bbls.)
GAS None (MCF) DATE OF TEST None
PRODUCING HORIZON P&A PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD.

14-3/4" hole 9-5/8" casing (36#) set at 2510' Cemented with 250 sacks

2. FULL DETAILS OF PROPOSED PLAN OF WORK

None

DATE COMMENCING OPERATIONS N/A
NAME OF PERSON DOING WORK _____ ADDRESS _____
Signature R.L. Vaughn
Title Area Drilling Superintendent
Address P. O. Box 670, Hobbs, NM 88240
Date 1-6-81

Date Approved 1-12-81
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: [Signature]

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Abandon and Plug
File Two Copies
Form No. 9

Permit No. 706

1-20-81

TO FILE:

Gave verbal approval
to Gary Johnson - Geologist
for Union Oil to
plug their Geothermal
Gradient hole in Cochrise
County, Farms 9810
to follow

Dean Mettler

706

Form 9-311
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved,
Budget Bureau No. 42-R1421.

5. LEASE DESIGNATION AND SERIAL NO.

A-9497

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cordillera "BJ" Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR B.L.K. AND
SURVEY OR AREA

Sec 30-T36N-R9W

12. COUNTY OR PARISH

Mohave

13. STATE

AZ

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT" for such proposals.)

OIL WELL GAS WELL OTHER P&A

2. NAME OF OPERATOR

Gulf Oil Corporation

3. ADDRESS OF OPERATOR

P. O. Box 670, Hobbs, NM 88240

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

2083' FSL & 1967' FWL

14. TOTAL DEPTH

15. ELEVATIONS (Show whether DF, ET, CR, etc.)

6335' GL

Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

STOP WATER SHUT-OFF

STOP FINE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other) P&A

REPAIRING WELL

ALTERING CASING

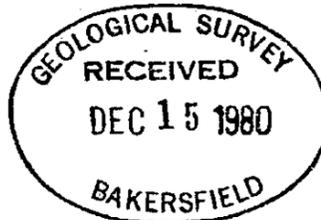
ABANDONMENT*

X

(NOTE: Report results of multiple completion on Well
Completion or Recombination Report and Log form.)

16. DESCRIBE PREVIOUS OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and forces pertinent to this work.)

Complete logs 12:30 P.M., 11-23-80. Pump plug at 5000' with 100 sacks Halco Lite 12 1/2# Gilsontite 2% CaCl₂. POH to 3555', pump 50 sack plug Halco Lite. Pumped 350 sacks Halco, dump 65 sacks Halco Lite on cement retainer. Pumped 50 sack surface plug. P&A Complete 12-4-80.



706

I hereby certify that the foregoing is true and correct

SIGNED

R. Worley

TITLE

Area Engineer

DATE

12-9-80

APPROVED BY

J.P. Wagner

TITLE

District Supervisor

DATE

5-5-81

CONDITIONS OF APPROVAL, IF ANY: J. P. Wagner

cc: Oil & Gas Conservation Commission, Phoenix, Arizona

*See instructions on Reverse Side

Fuller

T.D. 3900 - 100 Sfs - 5000 - 4600
500 Sfs 3550 - 3350
9 3/8 - 2510 - Retained 2450 - Cement W
350 Sfs -
65 Sfs - 2450 - 2200
Perf. 1856 - 1858 } 2 per St
1869 - 1871 }
1877 - 1878 }

Third Level 2964

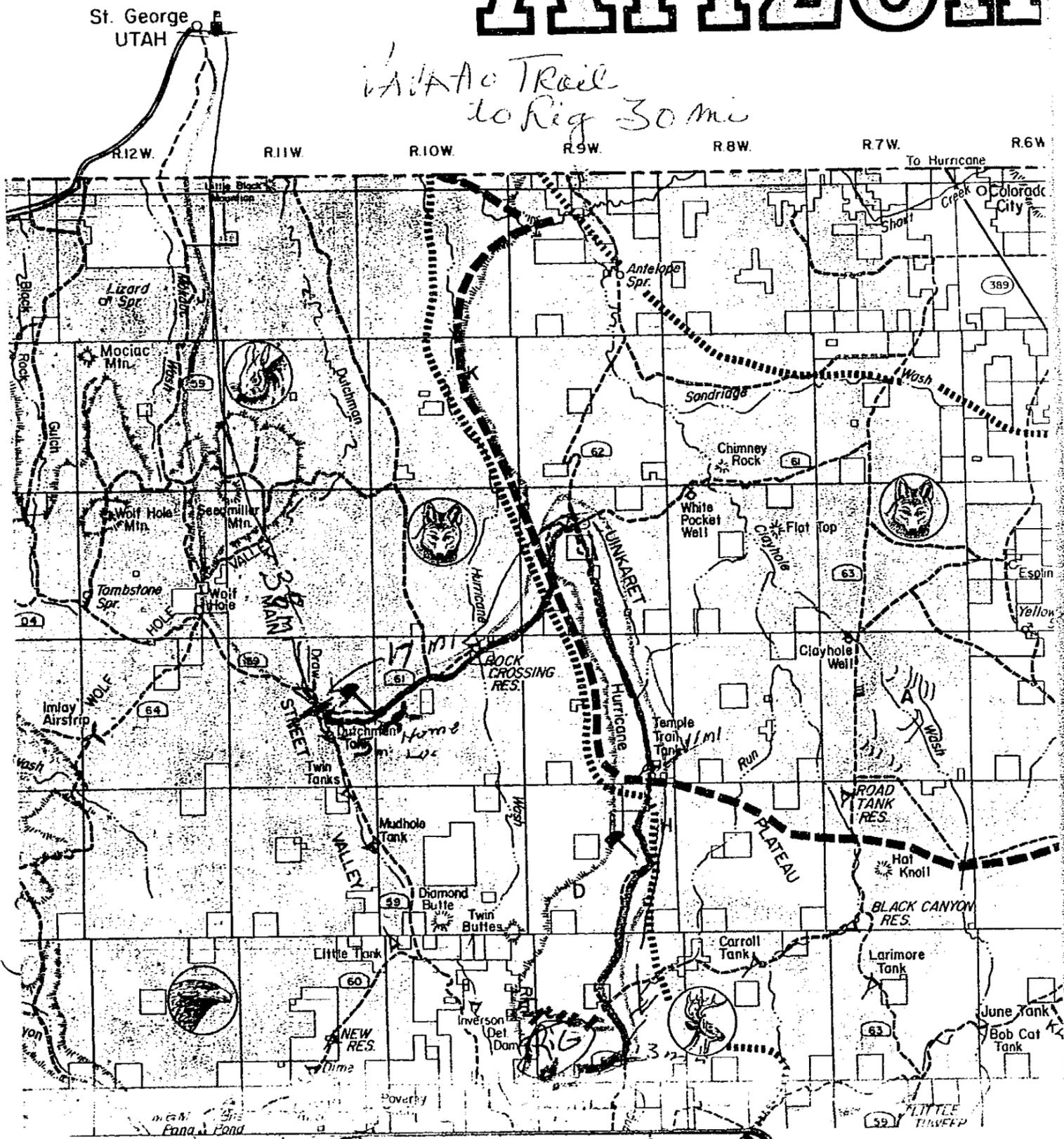
Memo - to file 11-21-80
following info given to B. Allen
11-21-80 & request to plug as
described above. Approved by
W.E. Allen

786

FILE IN
7481
6001

Arizona

WATAO Trail
to Rig 30 mi



CONFIDENTIAL REPORT

RECEIVED

NOV 24 1980

SUNDRY NOTICES AND REPORTS ON WELLS

O & G CONS. COMM.

1. Name of Operator Gulf Oil Corporation

2. Oil Well GAS WELL OTHER (Specify) _____

3. Well Name Cordillera "BJ" Federal

Location 2,083' from SOUTH Line and 1,967' from WEST Line

Sec. 30 Twp. 36-N Rge. 9-W County Mohave Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Federal Lease No. A-9497

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly Progress Report</u>	ABANDONMENT <input checked="" type="checkbox"/>

Report No. 6
For Week ending 11-21-80

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

11-15-80 - 6 AM - Drilling at 4,927" with 8-3/4" bit. Formation: Gray silty dolomite.

11-16-80 - 6 AM - Drlg @ 5,074' w/8-3/4" bit. Changed bits at 4,962'. Form: Silty, sandy limestone.

11-17-80 - 6 AM - Drlg @ 5,330' w/8-3/4" bit. Form: limestone.

11-18-80 - 6 AM - Drlg @ 5,610' w/8-3/4" bit. Form: Sandstone & shale.

11-19-80 - 6 AM - Logging @ 5,642'. Drilled 32' and started logging operations with Schlumberger.

11-20-80 - 6 AM - Drlg @ 5,710' w/8-3/4" bit. Finished logging operations. Deviation Survey: 1/2° at 5,642'. Form: Sandstone.

11-21-80 - 6 AM - Drlg @ 5,840' w/8-3/4" bit. Form: Quartzite.

NOTE: All formations drilled with air mist.

8. I hereby certify that the foregoing is true and correct.

Signed D. D. Williams Title Area Drlg. Engineer Date 11-21-80
D. D. WILLIAMS

Permit No. 8031-74-54

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File This Copy

Form No. 28

Key

CONFIDENTIAL REPORT

RECEIVED

NOV 17 1980

SUNDRY NOTICES AND REPORTS ON WELLS

O & G CONS. COMM.

1. Name of Operator Gulf Oil Corporation

2. OIL WELL GAS WELL OTHER (Specify) _____

3. Well Name Cordillera "BJ" Federal

Location 2,083' from SOUTH Line and 1,967' from WEST Line

Sec. 30 Twp. 36-N Rge. 9-W County Mohave Arizona

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Federal Lease No. A-9497

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:			SUBSEQUENT REPORT OF:		
TEST WATER SHUT-OFF <input type="checkbox"/>	FULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>		
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>		
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>		
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly Progress Report</u>	ABANDONMENT <input type="checkbox"/>		
(OTHER) _____			<input checked="" type="checkbox"/>		

Report No. 5
For week ending 11-14-80

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 11-8-80 - 6 AM - Drilling at 3,676' with 8-3/4" bit. Deviation Survey: 3° at 3,438'. Formation: Limestone.
- 11-9-80 - 6 AM - Drlg @ 3,960' w/8-3/4" bit. Deviation Surveys: 2-1/4° @ 3,653' and 2° @ 3,780'. Form: Limestone and Dolomite.
- 11-10-80 - 6 AM - Drlg @ 4,137' w/8-3/4" bit. Prepare for core #6. Form: Dolomite.
- 11-11-80 - 6 AM - Drlg @ 4,240' w/8-3/4" bit. Cut core #6. Form: Dolomite and Shale.
- 11-12-80 - 6 AM - Drlg @ 4,444' w/8-3/4" bit. Wireline survey - 3° @ 4,415'. Prepare for core #7. Form: Limestone and Dolomite.
- 11-13-80 - 6 AM - Drlg @ 4,518' w/8-3/4" bit. Cut core #7. Form: Dolomite.
- 11-14-80 - 6 AM - Drlg @ 4,731' w/8-3/4" bit. Form: Dolomite and Shale.

8. I hereby certify that the foregoing is true and correct.

Signed Douglas D. Williams Title Area Drlg. Engineer Date 11-14-80
D. D. WILLIAMS

Permit No. 8031-74-54

706

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File Date Copy

Form No. 25

SUNDRY NOTICES AND REPORTS ON WELLS

RECEIVED

NOV 10 1980

1. Name of Operator Gulf Oil Corporation
 2. Oil WELL GAS WELL OTHER (Specify) _____
 3. Well Name Cordillera "BJ" Federal
 Location 2,083' from SOUTH Line and 1,967' from WEST line
 Sec. 30 Twp. 36-N Rge. 9-W County Mohave Arizona
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease Federal Lease No. A-9497

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <input type="checkbox"/>	ABANDONMENT <input type="checkbox"/>
(OTHER) <input type="checkbox"/>		(OTHER) <input type="checkbox"/>	Weekly Progress Report <input checked="" type="checkbox"/>

Report No. 4
 For Week ending 11-7-80

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

11-1-80 - 6 AM - Drilling at 2,590' with 8-3/4" bit. Tested casing at 1,450 psi. Formation: Limestone and Dolomite.
 11-2-80 - 6 AM - Drlg @ 2,820' w/8-3/4" bit. Deviation Surveys: 1° at 2,619' and 3/4° at 2,773'. Form: Sand.
 11-3-80 - 6 AM - Drlg @ 2,840' w/8-3/4" bit. Cut core #1 from 2,820' to 2,827'. Cut core #2 from 2,827' to 2,840'. Form: Chert and Dolomite.
 11-4-80 - 6 AM - Drlg @ 3,240' w/8-3/4" bit. Deviation Surveys: 1° at 2,958', 2-1/4° at 3,144', and 2° at 3,174'. Form: Chert and Dolomite.
 11-5-80 - 6 AM - Coring @ 3,241'. Ream from 2,510' to 3,240'. Cut core #3 from 3,240' to 3,241'. Form: Chert and Dolomite.
 11-6-80 - 6 AM - Coring @ 3,277'. Cut core #4 from 3,260' to 3,266'. Preparing to cut core #5. Form: Chert and Dolomite.
 11-7-80 - 6 AM - Drlg @ 3,411' w/8-3/4" bit. Cut core #5 from 3,266' to 3,296'. Form: Dolomite.

8. I hereby certify that the foregoing is true and correct.

D. D. WILLIAMS
 D. D. WILLIAMS

Title Area Drilling Engr. Date 11-7-80

Permit No. 8031-74-54

STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 Sundry Notices and Reports On Wells
 File This Copy
 Form No. 25

111

RECEIVED

NOV 3 1980

O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Gulf Oil Corporation

2. Oil Well GAS WELL OTHER (Specify) _____

3. Well Name Cordillera "BJ" Federal

Location 2,083' from SOUTH line and 1,967' from WEST line

Sec. 30 Twp. 36-N Rge. 9-W County Mohave Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Federal Lease No. A-9497

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly Progress Report</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" type="checkbox"/>

Report No. 3
For Week ending 10-31-80

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 10-25-80 - 6 AM - Drilling at 2,293' with 14-3/4" bit. Deviation Survey - 1/4° at 2,201'.
Formation: Sand, Anhydrite and Gypsum.
- 10-26-80 - 6 AM - Drlg @ 2,375' w/14-3/4" bit. Form: Red Sand.
- 10-27-80 - 6 AM - Drlg @ 2,420' w/14-3/4" bit. D.S. - 3/4° @ 2,356'. Form: Red Sand.
- 10-28-80 - 6 AM - Drlg @ 2,510' w/14-3/4" bit. Form: Pakoon Lime.
- 10-29-80 - 6 AM - 2,510' - Circulate and condition hole. Ran 9-5/8" casing and cemented.
- 10-30-80 - 6 AM - 2,510' - Waiting on cement. Cut off casing, weld on braden head and nipple up BOP's.
- 10-31-80 - 6 AM - 2,510' - Finish nipple up BOP's. Lay down drill collars and strung new drilling line. Tested BOP's to 3,000 psi. Waiting on parts to repair BOP stack.

8. I hereby certify that the foregoing is true and correct.

Signed D.D. Williams
D. D. WILLIAMS

Title Area Drilling Engr. Date 10-31-80

Permit No. 8031-94-84

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File This Copy

Form No. 25

CONFIDENTIAL REPORT

RECEIVED
OCT 27 1980
O & G CONS. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Gulf Oil Corporation

2. Oil Well GAS WELL OTHER (Specify) _____

3. Well Name Cordillera "BJ" Federal

Location 2,083' from SOUTH line and 1,967' from WEST line

Sec. 30 Twp. 36N Rge. 9W County Mohave Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Federal Lease No. A-9497

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly Progress Report</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" type="checkbox"/>

Report No. 2
For Week ending 10-24-80

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 10-18-80 - 6 AM - Drilling at 1,504' with 14-3/4" bit. Deviation Surveys - 1-1/2° at 1,311', 1° at 1,407'. Formation: Silt stone.
- 10-19-80 - 6 AM - Drlg @ 1,862' w/14-3/4" bit. D.S. - 1/2° @ 1,652'. Form: Sand.
- 10-20-80 - 6 AM - Drlg @ 1,968' w/14-3/4" bit. D.S. - 1/2° @ 1,869'. Rigging equipment for mud drilling. Form: Red sand and shale.
- 10-21-80 - 6 AM - 1,968' - Shut Down - Circulate and condition hole.
- 10-22-80 - 6 AM - Drlg @ 2,012' w/14-3/4" bit. Form: Red sand and shale.
- 10-23-80 - 6 AM - Drlg @ 2,074' w/14-3/4" bit. Form: Red sand and shale.
- 10-24-80 - 6 AM - Drlg @ 2,198' w/14-3/4" bit. D.S. - 3/4° @ 2,045'. Form: Sand.

8. I hereby certify that the foregoing is true and correct.

Signed D. D. Williams
D. D. WILLIAMS

Title Area Drilling Engr. Date 10-24-80

Permit No. 8031-74-54

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File This Copy

Form No. 25

WA Kelly

CONFIDENTIAL REPORT

RECEIVED

OCT 20 1980

O & G CON. COMM.

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Gulf Oil Corporation

2. Oil WELL GAS WELL OTHER (Specify) _____

3. Well Name Cordillera "BJ" Federal

Location 2,083' from SOUTH line and 1,967' from WEST line

Sec. 30 Twp. 36N Rge. 9W County Mohave Arizona.

4. Federal, State or Indian Lease Number, or lessor's name if fee lease Federal Lease No. A-9497

5. Field or Pool Name Wildcat

6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SURSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	PERFORATE CASING <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(OTHER) <u>Weekly Progress Report</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" type="checkbox"/>

Report No. 1
For Week ending 10-17-80

(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

- 10-10-80 - Completed rigging up operations. Spudded well at 6:30 PM. 20" Conductor Pipe set @ 102'.
- 10-11-80 - 6 AM - Drilling at 204' with 14-3/4" bit. Formation: Lime with trace of chert.
- 10-12-80 - 6 AM - Drlg @ 370' w/14-3/4" bit. Deviation Survey - 2° @ 189', 2-3/4° @ 251'. Formation: Lime with trace of chert.
- 10-13-80 - 6 AM - Drlg @ 573' w/14-3/4" bit. Deviation Survey - 2° @ 345', 1-3/4° @ 439'. Formation: Lime, Gypsum & Anhydrite.
- 10-14-80 - 6 AM - Drlg @ 884' w/14-3/4" bit. Deviation Survey - 2° @ 625', 1-1/4° @ 718'. Formation: Lime & Gypsum.
- 10-15-80 - 6 AM - Drlg @ 1,132' w/14-3/4" bit. D.S. - 1-1/2° @ 871', 1-1/4° @ 1,028'. Formation: Lime, Gypsum & Red Sand.
- 10-16-80 - 6 AM - 1,132' - Shut down - Repairing rotating head.
- 10-17-80 - 6 AM - Drlg @ 1,270' w/14-3/4" bit. Formation: Lime.

8. I hereby certify that the foregoing is true and correct.

D. D. Williams
D. D. WILLIAMS

Title Area Drilling Engr. Date 10-17-80

Permit No. 8031-74-54

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Sundry Notices and Reports On Wells
File This Copy

Form No. 25

APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

APPLICATION TO DRILL

RE-ENTER OLD WELL

GULF OIL CORPORATION
NAME OF COMPANY OR OPERATOR

P. O. Box 670, Hobbs, NM 88240
Address City State

Brinkerhoff Signal, Inc.
Drilling Contractor

3400 Anaconda Tower - Denver, CO 80202
Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor A-9497 - Federal	Well number 1	Elevation (ground) 6335'
---	-------------------------	------------------------------------

Nearest distance from proposed location to property or lease line: 1967 feet	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: 0 feet
--	--

Number of acres in lease: 2531	Number of wells on lease, including this well, completed in or drilling to this reservoir: 1
--	--

If lease, purchased with one or more wells drilled, from whom purchased: N/A	Name	Address
--	------	---------

Well location (give footage from section lines) 2083' FSL & 1967' FWL	Section—township—range or block and survey Sec. 30-T36N-R9W	Dedication (Comply with Rule 105) 80 acres
---	---	--

Field and reservoir (if wildcat, so state) Wildcat	County Mohave
--	-------------------------

Distance, in miles, and direction from nearest town or post office
80 miles north to Saint George, Utah

Proposed depth: 6000'	Rotary or cable tools Rotary	Approx. date work will start May 20, 1980
---------------------------------	--	---

Bond Status Amount	Organization Report On file Or attached	Filing Fee of \$25.00 Attached
-----------------------	--	-----------------------------------

Remarks:

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Area Production Manager of the

GULF OIL CORPORATION (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

RECEIVED

MAY 15 1980

O & G CONS. COMM.

Signature

L. C. Anderson

Date

5-12-80

Permit Number: 706
Approval Date: 5-15-80
Approved By: *Clara White*

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill or Re-enter
File Two Copies

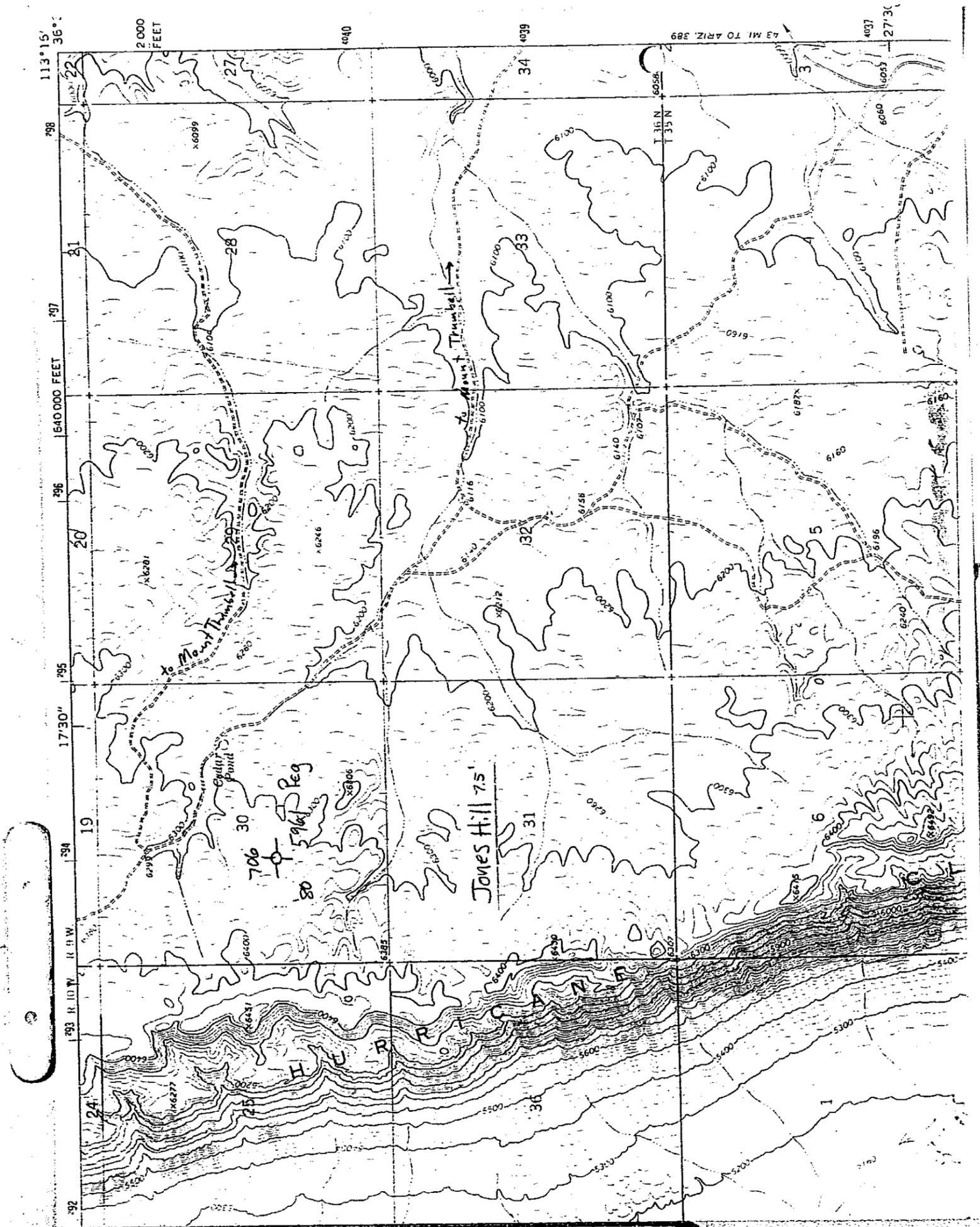
Form No. 3

1. Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
2. A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
3. All distances shown on the plat must be from the outer boundaries of the Section.
4. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
5. If the answer to question four is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES NO If answer is "yes," Type of Consolidation _____
6. If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description 2083' FSL & 1967' FWL Sec. 30-T36N-R9W
SEE ATTACHED PLAT	
<p>CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p style="text-align: right;"><i>R. C. Anderson</i></p> <p>Name R. C. ANDERSON</p> <p>Position AREA PRODUCTION MANAGER</p> <p>Company GULF OIL CORPORATION</p> <p>Date 5-12-80</p> <p>I hereby certify that the well location shown on the plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p> <p>Date Surveyed 11-20-79</p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p style="text-align: right;">Gale E. Day</p> <p>Certificate No. Ariz Lic No. 7386</p>	
	

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top surf	Bottom	Cementing Depths	Sacks Cement
9-5/8"	32.3#		1000'	1000'	1000'	500
5 1/2"	14#		1000'	6000'	6000'	to be determ.





PERMIT TO DRILL

This constitutes the permission and authority from the
OIL AND GAS CONSERVATION COMMISSION,
STATE OF ARIZONA,

To: GULF OIL CORPORATION
(OPERATOR)

to drill a well to be known as
FEDERAL NO. 1
(WELL NAME)

located 2083' FSL & 1967' FWL

Section 30 Township 36N Range 9W, MOHAVE County, Arizona.

The N/2 SW/4 of said
Section, Township and Range is dedicated to this well.

Said well is to be drilled substantially as outlined in the attached Application and must be drilled in full compliance with all applicable laws, statutes, rules and regulations of the State of Arizona.

Issued this 15th day of May, 1980.

PRIOR TO BEING ALLOWED TO PRODUCE THIS WELL YOU MUST BE IN FULL COMPLIANCE WITH RULE 105, SECTION A THRU G (SPACING), WITH RESPECT TO THE PRODUCT TO BE PRODUCED.

OIL AND GAS CONSERVATION COMMISSION

By Don Whittaker
EXECUTIVE SECRETARY

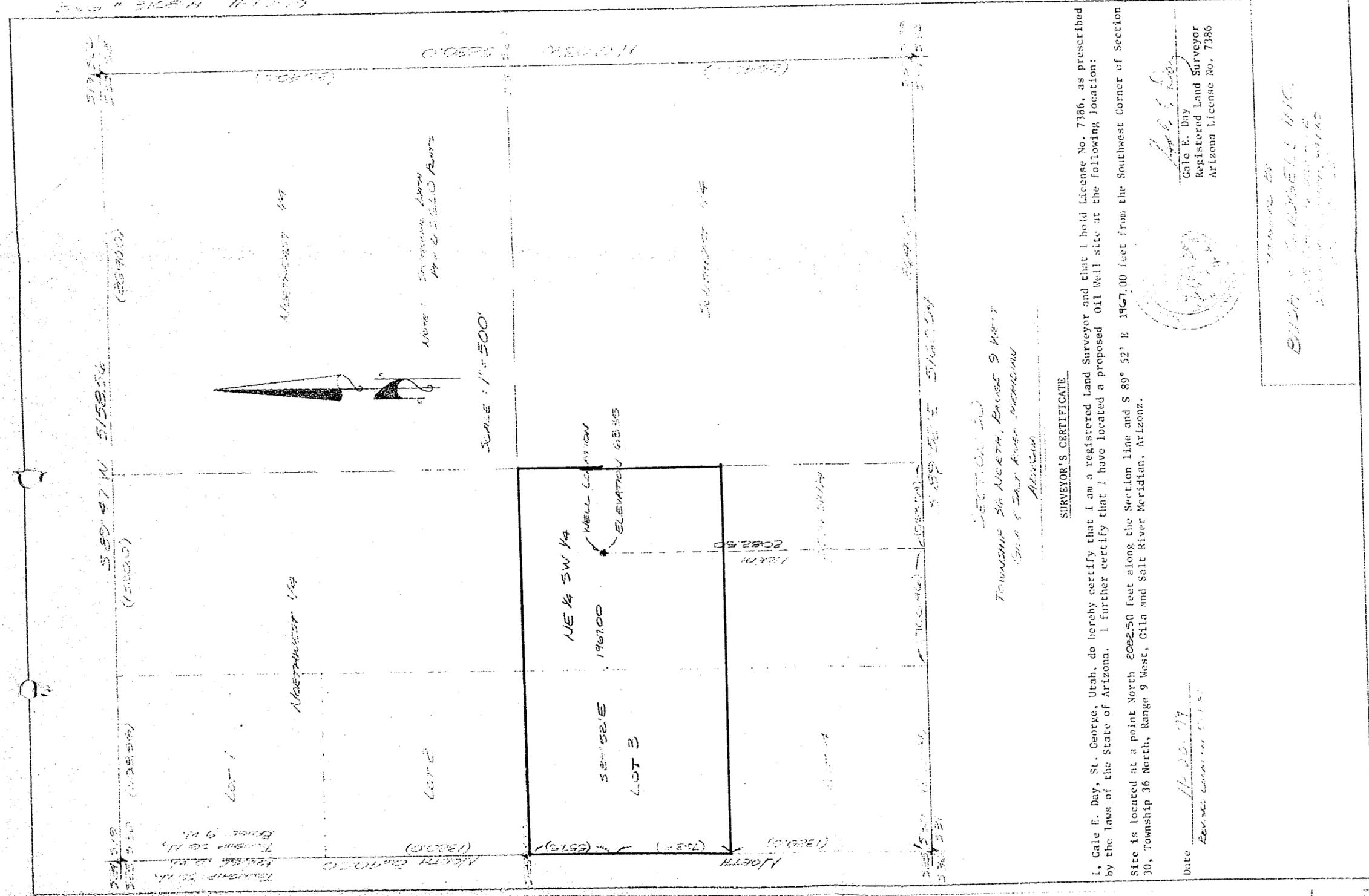
PERMIT No 706

RECEIPT NO. 1820
API No. 02-015-20009

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill

FORM NO. 27

TEN FOOT SAMPLES ARE REQUIRED FROM SURFACE



SECTION 30
 TOWNSHIP 36 NORTH, RANGE 9 WEST
 GILA AND SALT RIVER MERIDIAN
 Mohave Co.

SURVEYOR'S CERTIFICATE

I, Gale E. Day, St. George, Utah, do hereby certify that I am a registered land surveyor and that I hold License No. 7386, as prescribed by the laws of the State of Arizona. I further certify that I have located a proposed Oil Well site at the following location:

Site is located at a point North 2082.50 feet along the Section line and S 89° 52' E 1967.00 feet from the Southwest Corner of Section 30, Township 36 North, Range 9 West, Gila and Salt River Meridian, Arizona.

Date 11-20-77
 Revised Location 11-21-77



Witnessed by
BUDH J. JORDAN, INC.
 Surveyors
 100-5961

5 boxes sample cuttings 100-5961
rec'd 1-15-81

Soil cuttings Rec'd 2-2-81

1st box 3261.5 2nd box 4143

3262

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186

187

188

189

190

191

192

193

194

195

196

197

198

199

200

201

202

203

204

205

206

207

208

209

210

211

212

213

214

215

216

217

218

219

220

221

222

223

224

225

226

227

228

229

230

231

232

233

234

235

236

237

238

239

240

241

242

243

244

245

246

247

248

249

250

251

252

253

254

255

256

257

258

259

260

261

262

263

264

265

266

267

268

269

270

271

272

273

274

275

276

277

278

279

280

281

282

283

284

285

286

287

288

289

290

291

292

293

294

295

296

297

298

299

300

301

302

303

304

305

306

307

308

309

310

311

312

313

314

315

316

317

318

319

320

321

322

323

324

325

326

327



CHUBB GROUP OF INSURANCE COMPANIES

One Oxford Centre, 301 Grant Street, Pittsburgh, PA 15219-1498
Phone: (412) 391-6585 • Telex: RCA 291975

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

November 2, 1987

State of Arizona
Oil & Gas Conservation Commission
3110 N. 19th Avenue - Suite 190
Phoenix, Arizona 85015

RE: Bond Number 8031-74-54
Blanket Bond for Oil & Gas Drilling in State of Arizona
Bond Amount: \$25,000.00
Effective: 9/1/67

Gentlemen:

We understand from our Principal that the above described bond is no longer required. If these facts are correct, may we please have your authorization to terminate this bond.

Please accept this letter as notice of our desire to terminate this bond within the shortest period required or in any event within 30- days of the date of the receipt of this communication.

May we have your acknowledgment and the date on which we may consider this bond terminated. A duplicate copy of this letter is enclosed for your convenience in complying with our request.

Very truly yours,

FEDERAL INSURANCE COMPANY

W. Chidlow
(Mrs.) W. Chidlow
Surety Department

WC

encl.

The above bond can be considered cancelled as of

11/4/87
(date)

Signed by
Title

R. A. Ytana
Ent. Director

KNOW ALL MEN BY THESE PRESENTS

BOND SERIAL NO. 8031-74-54

That we: Gulf Oil Corporation, a Pennsylvania corporation

of the County of: Allegheny in the State of: Pennsylvania

as principal, and Federal Insurance Company, a New Jersey corporation

of New York, New York
AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the Oil and Gas Conservation Commission, State of Arizona, in the penal sum as indicated, lawful money of the United States, for which payment, well and truly to be made, we bind ourselves, and each of us, and each of our heirs, executors, administrators or successors, and assigns jointly and severally, firmly by these presents. The conditions of this obligation is that whereas the above bounden principal proposes to drill a well or wells for oil, gas, helium, other minerals, or for stratigraphic purposes in and upon the following described land situated within the State, to wit:

(May be used as blanket bond or for single well)

Blanket Bond

NOW, THEREFORE, if the above bounden principal shall comply with all of the provisions of the laws of this State and the rules, regulations and orders of the Oil and Gas Conservation Commission, especially with reference to the requirements of A.R.S. 27-516, providing for the proper drilling, casing and plugging of said well or wells, and filing with the Oil & Gas Conservation Commission all notices and records required by said Commission, in the event said well or wells do not produce oil or gas in commercial quantities, or cease to produce oil or gas in commercial quantities, then this obligation is void; otherwise, the same shall be and remain in full force and effect. Liability under this bond may not be terminated without written permission of this commission.

Penal sum of Twenty Five Thousand Dollars (\$25,000.00)

Witness our hands and seals, this 1st day of September, 1967

ATTEST: [Signature] Assistant Secretary
By: [Signature] Attorney in Fact Principal
Form approved Law Dept. [Signature]

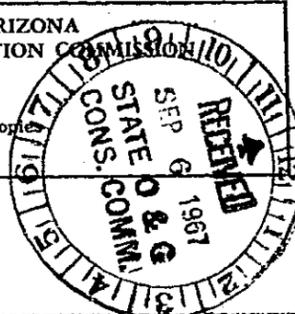
Witness our hands and seals, this _____ day of _____

[Signature] Attorney-in-Fact
FEDERAL INSURANCE COMPANY Surety
Surety, Resident Arizona Agent
(If issued in a state other than Arizona)

(If the principal is a corporation, the bond should be executed by its duly authorized officers, with the seal of the corporation affixed. When principal or surety executes this bond by agent, power of attorney or other evidence of authority must accompany the bond.)

Approved Date 9-6-67
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: [Signature]
Permit No. 429

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Bond
File Two Copies
Form No. 2



CANCELLED
11-4-87

Certified Copy of
POWER OF ATTORNEY

Know all Men by these Presents, That the FEDERAL INSURANCE COMPANY, 90 John Street, New York, New York, a New Jersey Corporation, has constituted and appointed, and does hereby constitute and appoint

Geo. H. Amos
Albert W. Gibson
Edmund W. Klimpke
Frank L. Smith
George H. Amos, Jr.
Jesse E. Rowe
of Tucson, Arizona

each its true and lawful Attorney-in-Fact to execute under such designation in its name and to affix its corporate seal to and deliver for and on its behalf as surety thereon or otherwise, bonds of any of the following classes, to-wit:

1. Bonds and Undertakings (other than Fiduciary Bonds) filed in any suit, matter or proceeding in any Court, or filed with any Sheriff or Magistrate, for the doing or not doing of anything specified in such Bond or Undertaking, in which the penalty of the bond or undertaking does not exceed the sum of Fifty Thousand Dollars (\$50,000.00).
2. Surety Bonds to the United States of America or any agency thereof, including those required or permitted under the laws or regulations relating to Customs or Internal Revenue; License and Permit bonds or other indemnity bonds under the laws, ordinances or regulations of any State, City, Town, Village, Board or other body or organization, public or private; bonds to Transportation Companies, Lost Instrument bonds, Lease bonds, Workmen's Compensation bonds, Miscellaneous Surety bonds and bonds on behalf of Notaries Public, Sheriffs, Deputy Sheriffs and similar public officials.
3. Bonds on behalf of contractors in connection with bids, proposals or contracts to or with the United States of America, any State or political subdivision thereof or any person, firm or corporation.

In Witness Whereof, the said FEDERAL INSURANCE COMPANY has, pursuant to its By-Laws, caused these presents to be signed by its Vice President and Assistant Secretary and its corporate seal to be hereto affixed this 1st day of January 19 65.

FEDERAL INSURANCE COMPANY

By

Frederick C. Gardner

Frederick C. Gardner
Vice President

Davis Quinn

Davis Quinn
Assistant Secretary



STATE OF NEW YORK

County of New York

ss.:

On this 1st day of January 19 65, before me personally came Davis Quinn, to me known and by me known to be Assistant Secretary of the FEDERAL INSURANCE COMPANY, the corporation described in and which executed the foregoing Power of Attorney and the said Davis Quinn being by me duly sworn, did depose and say that he resides in the City of New York, in the State of New York; that he is Assistant Secretary of the FEDERAL INSURANCE COMPANY and knows the corporate seal thereof; that the seal affixed to the foregoing Power of Attorney is such corporate seal and was thereto affixed by authority of the By-Laws of said Company and that he signed said Power of Attorney as Assistant Secretary of said Company by like authority; that he is acquainted with Frederick C. Gardner and knows him to be Vice President of said Company, and that the signature of said Frederick C. Gardner subscribed to said Power of Attorney is in the genuine handwriting of said Frederick C. Gardner and was thereto subscribed by authority of said By-Laws and in deponent's presence.

Acknowledged and Sworn to before me
on the date above written.

Marion J. McGrath

Notary Public
MARION J. McGRATH
NOTARY PUBLIC, State of New York
No. 24-7837850
Qualified in Kings County
Certificate filed in New York County
Commission Expires March 30, 1968



CITY AND COUNTY OF NEW YORK: ss

I, the undersigned, Assistant Secretary of the FEDERAL INSURANCE COMPANY, do hereby certify that the following is a true excerpt from the By-Laws of the said Company as adopted by its Board of Directors on March 11, 1958 and amended January 2, 1964 and that this By-Law is in full force and effect.

ARTICLE XIX

Section 2. All bonds, undertakings, contracts, powers of attorney, and other instruments other than as above, for and on behalf of the Company which it is authorized by law or its charter to execute, may and shall be executed in the name and on behalf of the Company either by the Chairman or the Vice-Chairman or the President or a Vice-President, jointly with the Secretary or an Assistant Secretary, under their respective designations, except that any one or more officers or attorneys-in-fact designated in any resolution of the Board of Directors or the Executive Committee, or in any power of attorney executed as provided for in this section, may execute any such bond, undertaking or other obligation as provided in such resolution or power of attorney.

And I further certify that I have compared the foregoing copy of the POWER OF ATTORNEY with the original thereof and the same is a correct and true copy of the whole of said original Power of Attorney and that said Power of Attorney has not been revoked.

And I further certify that said FEDERAL INSURANCE COMPANY is duly licensed to transact fidelity and surety business in each of the States of the United States of America, Puerto Rico, and each of the Provinces of the Dominion of Canada with the exception of Prince Edward Island; and is also duly licensed to become sole surety on bonds, undertakings, etc., permitted or required by the laws of the United States.

Given under my hand and seal of said Company at New York, N. Y., this _____ day of _____, 19____

M. C. [Signature]

Assistant Secretary



Rec'd 1-15-81

MOHAVE: CORDILLERA "BJ" FED. #1 5961 TD P+A
 AD: 6000'
 GI: 75%
 (Gross) AFE: \$1,270,000 (D) MOVING TO H.S.A. 1115 P.
 RIG: GULF #1
 SPUD: 10-10-80 \$1,299,449 12-2-80
 20" @ 102'
 9-5/8" @ 2510'

MOHAVE: CORDILLERA "BJ" FED. #1 5961 T.D. P+A
 AD: 6000'
 GI: 75%
 (Gross) AFE: \$1,270,000 (D) MIRT Last Trucks should be leaving location this morning.
 RIG: GULF #1
 SPUD: 10-10-80 11-27, 28, 29, 30, - Week
 20" @ 102'
 9-5/8" @ 2510'

MOHAVE: CORDILLERA "BJ" FED. #1 5961
 AD: 6000' 47 DAYS R/D 12 HRS
 GI: 75% TRUCKING SNOWED IN
 (Gross) AFE: \$1,270,000 (D) Rig WILL NOT MOVE BEFORE MONDAY
 RIG: GULF #1 11-26-80 \$1,169,902
 SPUD: 10-10-80
 20" @ 102'
 9-5/8" @ 2510'

MOHAVE: CORDILLERA "BJ" FED. #1 TD 5961 11-25-80
 AD: 6000' 46 DAYS FILLED TOP CSG w/ MUD.
 GI: 75% USED 50 SX CMT TOP 200' CSG
 (Gross) AFE: \$1,270,000 (D) CMT: BALL. ET w/ 12 1/2 PP SX GILSONITE
 RIG: GULF #1 ? 27% CaCl2
 SPUD: 10-10-80 PRESENTLY RIGGING DN
 20" @ 102' \$ 1,163,018
 9-5/8" @ 2510'

11-22, 23, 24-80
 MOHAVE: CORDILLERA "BJ" FED. #1 5961 Granite 121 - 14 1/2 hrs
 AD: 6000' drill to 5950. cut cou # 8 5950-5961
 GI: 75% cut 11' Recd 10 1/2 - 6 hrs Ran schlumberger
 (Gross) AFE: \$1,270,000 (D) open hole logs SNA-SFL, BHC, Density etc
 RIG: GULF #1 45 days Ran in Hole w/ open ended DP, To 5000' Pumped
 SPUD: 10-10-80 mud from working pits no returns Plug #1 1000'
 20" @ 102' Cmt. 5000' to 4600', Plug #2 50 SX 3555 to
 9-5/8" @ 2510' 33 50' Ran in Hole to 2450 w/ Hauer E2 drill
hole Retainer set @ 1087' Stung into same Pumped 350 SX incl.
Picked up + Spotted 65 sx on top of retainers. Now Laying down
drill pipe.
 \$ 1,146,400 706

MOHAVE:

CORDILLERA "BJ" FED. #1

AD: 6000'
GI: 75%
AFE: \$1,270,000 (D)
(Gross)

RIG: GULF #1
SPUD: 10-10-80
20" @ 102'
9-5/8" @ 2510'

5840 quartzite 130'-16 hrs
Airmist 2200cfm 440psi 4-70 bwh
RTCB @ 5789
NOB drlg 8 3/4" hole 42 days

11-21-80

MOHAVE:

CORDILLERA "BJ" FED. #1

AD: 6000'
GI: 75%
AFE: \$1,270,000 (D)
(Gross)

RIG: GULF #1
SPUD: 10-10-80
20" @ 102'
9-5/8" @ 2510'

5710' ss 68'-5 1/2 hr
Top of Tapata ss @ 5640
Airmist 2200cfm 440psi
Producing 80 bph
Finished running open hole logs
RTH w/ bit NOB drlg 8 3/4"
hole 41 days

11-20-80

estd logs
235,500
2964' fluid lead
while logging

1,037,730

MOHAVE:

CORDILLERA "BJ" FED. #1

AD: 6000'
GI: 75%
AFE: \$1,270,000 (D)
(Gross)

RIG: GULF #1
SPUD: 10-10-80
20" @ 102'
9-5/8" @ 2510'

5642 sstsh 32' - 3 1/2 hrs
Airmist 2000cfm 500psi
drl'd to 5642 POH R.U. Schlumberger
Ran SDN log, BHC SFL Density log.
Now logging 8 3/4" hole
40 days

11-19-80

\$988,800

MOHAVE:

CORDILLERA "BJ" FED. #1

AD: 6000'
GI: 75%
AFE: \$1,270,000 (D)
(Gross)

RIG: GULF #1
SPUD: 10-10-80
20" @ 102'
9-5/8" @ 2510'

5610 sstsh 280-15 hrs
Airmist 2000cfm press 450-500psi.
Hole making estd 80 bph F.W.
NOB drlg 8 3/4" hole 39 days

(had to stop periodically and unload hole)
(Bright Angel shale spl. top 5370')
11-18-80

\$958,967

MOHAVE:

CORDILLERA "BJ" FED. #1

AD: 6000'
GI: 75%
AFE: \$1,270,000 (D)
(Gross)

RIG: GULF #1
SPUD: 10-10-80
20" @ 102'
9-5/8" @ 2510'

5330' stdola 599'-59.5 hrs
Airmist 2000cfm 450psi
RTCB @ 4962

water.
NOW Getting approx 80 bph increase
came at approx 5260' from approx 40 bph
@ 5269 had 3std short trip unloading hole
had 60' of fill @ 5293 had 15' fill
NOB drlg 8 3/4" hole 38 days

11-15, 16, 17-80

\$946,630

Est. Merit 12.6
1166,630

706

MOHAVE: CORDILLERA "BJ" FED. #1 *4731 Lst dolo 213'-23 hrs 9 fph*

AD: 6000'
 GI: 75% *35 days* Air mist 2000 cfm 600 psi
 AFE: \$911,000 (D) *Hole making est'd 40 Bbls Fw/hr*
 (Gross) *N.O.B. dily 8 3/4" hole 35 days*

RIG: GULF #1
 SPUD: 10-10-80
 20" @ 102'
 9-5/8" @ 2510'

11-14-80

\$906,954
120
1026

MOHAVE: CORDILLERA "BJ" FED. #1 *4518 dolo 74'-10 1/2 hrs*

AD: 6000'
 GI: 75% *34 days* Air mist 2200 cfm 450 psi
 AFE: *1,270,000 (D)* *hole producing 40 bph F.W.*
 (Gross) *Core # 7 4444 → 4467 cut 23'*
 RIG: GULF #1 *rec'd 21' bbl jammed after 5 hrs*
 SPUD: 10-10-80 *R/H w/ bit rec'd 23 N.O.B. dily*
 20" @ 102' *8 3/4" hole 34 days*
 9-5/8" @ 2510'

MOHAVE: CORDILLERA "BJ" FED. #1 *4444 Lst dolo. 204' 18 hrs*

AD: 6000'
 GI: 75% *33 days* Air mist 2200 cfm 500 psi *4415-30*
 AFE: \$911,000 (D) *4440 water increased now POH*
 (Gross) *for Core No. 7 8 3/4" hole*

RIG: GULF #1
 SPUD: 10-10-80
 20" @ 102'
 9-5/8" @ 2510'

33 days

\$859,000 *\$873,527* *10-12-80*

MOHAVE: CORDILLERA "BJ" FED. #1 *4240 dolotsh 103'-11 1/2 hrs*

AD: 6000'
 GI: 75% *32 days* Air mist 2200 cfm 500 psi
 AFE: \$911,000 (D) *Core # 6 4137-4166 cut 29'*
 (Gross) *+ rec'd 29' 6 1/2 hrs*

RIG: GULF #1 *N.O.B. dily 8 3/4" hole 32 days*
 SPUD: 10-10-80 *Head used*
 20" @ 102' *(7 3/32 x 4")*
 9-5/8" @ 2510' *11-11-80*

MOHAVE: CORDILLERA "BJ" FED. #1

AD: 6000'
 GI: 75% *31 days*
 AFE: \$911,000 (D)
 (Gross)

RIG: GULF #1 *4137 dolo 726'-56 hr*
 SPUD: 10-10-80 *Air mist 460 psi 2200 cfm 25-30 bph (fresh)*
 20" @ 102' *RTCB @ 3976 d/d to 4137 circ. RT for*
 9-5/8" @ 2510' *Core bbl now G/H for core No. 6*
8 3/4" hole 31 days

11-8,9,10
706

MOHAVE: CORDILLERA "BJ" FED. #1 3411' dolo 134' - 14 1/2 hrs
 AD: 6000' AIR mist 10-7-80
 GI: 75%
 AFE: (Gross) \$911,000 (D) Core # 5 3266-3296 30' rec 30' - TIH w/
 RIG: GULF #1 bit No 12 (rerun, of bit No 9) Hit void @
 SPUD: 10-10-80 28 days 3321 for 5' Well making 5 BWPH
 20" @ 102' 28 days
 9-5/8" @ 2510' OBD 8 5/8" 28 days

MOHAVE: CORDILLERA "BJ" FED. #1 3277' dolo & chert 36' - 9 hrs
 AD: 6000' AIR WITH w/bit drilled to 3260
 GI: 75% 27 days
 AFE: (Gross) \$911,000 (D) POH Rck Core barrel #4 cored 3 hr 3260-66
 RIG: GULF #1 POH rec 6'. WITH w/ core barrel #5
 SPUD: 10-10-80
 20" @ 102' 10-6-80 Now coring 8 23/32" 27 day
 9-5/8" @ 2510'

MOHAVE: CORDILLERA "BJ" FED. #1 3241' chert 1' - 2 1/2 hr Air
 AD: 6000' Chg BH ass. TIH reamed 730' to 3240 RT
 GI: 75% Pick up Core barrel Cut 1 rec 0' in 3 1/2 hrs - still in chert
 AFE: (Gross) \$911,000 (D) POH, put on bit 10-5-80
 RIG: GULF #1 NOW TIH
 SPUD: 10-10-80
 20" @ 102'
 9-5/8" @ 2510' 26 days
 \$688,406

MOHAVE: CORDILLERA "BJ" FED. #1 3240 chert & dolo 400' - 13 1/2 hr
 AD: 6000' AIR 180psi 2700cfm 11-4-80
 GI: 75% 25 days
 AFE: (Gross) \$911,000 (D) FIN DIC #2 2827-2840 C 13' Rec 13'
 RIG: GULF #1 15 1/2 hr P.U. Bit No. 7 RIH Reamed
 SPUD: 10-10-80 Core hole started dusting 2958-10
 20" @ 102' 3144-2 1/4 3174'-20 Now POH for
 9-5/8" @ 2510' Core No. 3 8 3/4" hole 25 days
 \$677,884

MOHAVE: CORDILLERA "BJ" FED. #1 2840' dolo & chert 230' - 39 hrs
 AD: 6000' Air mist 2700cfm - 340 PSI
 GI: 75% 24 days
 AFE: (Gross) \$911,000 (D) drld to 2820 cut DIC #1
 RIG: GULF #1 2820-27 cut 7' Rec'd 6' 3 hrs
 SPUD: 10-10-80 DIC #2 - 2827-40 cut 13' in 14 1/2 hr
 20" @ 102' NO B cutting core #2 8 3/4" hole
 9-5/8" @ 2510' 24 days
 NOV. 1, 2, 3, - 1980

706

MOHAVE: CORDILLERA "BJ" FED. #1
AD: 6000'
GI: #75% 21 days
AFE: (Gross) \$1,270,000 (D)
RIG: GULF #1
SPUD: 10-10-80
20" @ 102'
9-5/8" @ 2510'

#461,000 10-31-80

2510 NONE FW Gel 9-36-8
FIN NU BOPEQUIP LD 8" DC
& strung up new drlg line tested
BOPEQUIP by yellow jacket
BR, Kill line & safety valves to
3000 psi Annubr BU to 2000 psi
OK Pipe ram + 4" valve on stack leaked
will rpr some 21 days

(REPORT FOR 10-29-80)

MOHAVE: CORDILLERA "BJ" FED. #1
AD: 6000'
GI: 75% 20 days
AFE: (Gross) \$911,000 (D)
RIG: GULF #1
SPUD: 10-10-80
20" @ 102'
9-5/8" @ 2510'

Report for 10-30-80

2510' NONE FW GEL 9. ppg - 36 sec. 8 cc. W.L.
FIN. W.O.C. NU well head + BOPEQUIP. NOW NU BOP
EQUIP 20 days

2510' NONE. Im. FW gel 9.0, 36 Vis. 8.0 Wtr.
loss. Fin. circ., cond. hole. POH w/Bit
#2. RIR 9-5/8" Csg. and 2-1/6" Parasite
Csg. Cem. circ. on 1st stage. Plug was
down @ 3:30 a.m. 10-29 by HOWCO. Bottom
of 9-5/8" Csg. @ 2510' Bottom of tubing
@ 2322'. Now WOC. 9-5/8" Csg. Day 19
Cost: \$544,001. 10-30-80

10-29-80

MOHAVE: CORDILLERA "BJ" FED. #1
AD: 6000'
GI: 75% 19 days
AFE: (Gross) \$911,000 (D)
RIG: GULF #1
SPUD: 10-10-80
20" @ 102'

NO Report

10-28-80

MOHAVE: CORDILLERA "BJ" FED. #1
AD: 6000'
GI: 75% 18 days
AFE: (Gross) \$911,000 (D)
RIG: GULF #1
SPUD: 10-10-80
20" @ 102'

2510 Ls 90'-14 hrs FW Gel
8.9 ppg 36 sec 8 cc W.L.
drld to 2510 8 PM 10-27-80
NOW CIRC. COND hole prep to
RUNNING 9-5/8" O.D. Csg 14 3/4"
hole 18 days

10-25, 26, 27-80

MOHAVE: CORDILLERA "BJ" FED. #1
AD: 6000'
GI: 75% 17 days
AFE: \$911,000 (D)
RIG: GULF #1
SPUD: 10-10-80
20" @ 102'

#482300

ANH 467P
2420 Red ss. 222' - 63 1/2 hrs 35 fph
FW G 8.9 - 40 - 7
RTCB 2413 NO B 14 3/4" hole
17 days.

706

10-18, 19, 20-80

1968' silt, ss sh 698' - 56 hrs Air
 3500 CFM 200 psi
 spls became wet @ 1850' Stop dusting @ 1950'
 POH @ 1968' Checked bit R/H have
 been 9 1/2" C.O. 88' fill + Trying to
 dry out hole Now blowing hole in
 attempt to dry out 14 3/4" hole. 10 days

MOHAVE: CORDILLERA "BJ" FED. #1
 AD: 6000'
 GI: 75% 10 days
 AFE: \$911,000 (D)
 RIG: GULF #1
 SPUD: 10-10-80
 20" @ 102'

10-19-80

1270' Lm. 138' - 9 1/2 hrs
 Air 8800 CFM 200 psi
 Fin repair rotating head Trip in hole
 w/new bit @ 1132'
 NOB drlg 14 3/4" hole
 7 days

H MOHAVE: CORDILLERA "BJ" FED. #1
 AD: 6000'
 GI: 75% 7 days
 AFE: \$911,000 (D)
 RIG: GULF #1
 SPUD: 10-10-80
 20" @ 102'

10-16-80

Repairing Rotating head.

MOHAVE: CORDILLERA "BJ" FED. #1
 AD: 6000'
 GI: 75% 6 days
 AFE: \$911,000 (D)
 RIG: GULF #1
 SPUD: 10-10-80
 20" @ 102'

10-15-80

1132' Ls 6yp 248' - 17 hrs
 Air 871 - 1 1/2" 1028 - 1 1/4"
 NOW repairing rotating head
 14 3/4" hole. 5 days

MOHAVE: CORDILLERA "BJ" FED. #1
 AD: 6000'
 GI: 75% 5 days
 AFE: \$911,000 (D)
 RIG: GULF #1
 SPUD: 10-10-80
 20" @ 102'

134,063

10-14-80

Report for 10-13 + 14
 884' Ls Anh + 6yp 514' - 40 1/2 hrs
 Air - Dusting
 345-20, 439-1 3/4", 625-2;
 718-1 1/4"
 NOB drlg 14 3/4" hole 4 days

MOHAVE: CORDILLERA "BJ" FED. #1
 AD: 6000'
 GI: 75%
 AFE: \$911,000 (D)
 RIG: GULF #1
 SPUD: 10-10-80
 20" @ 102'

RECEIVED

JAN 15 1981

O & G CONS. COMM.

MOHAVE: CORDILLERA "BJ" FED. #1 (Report for 10+12) 10-11,12,13-80
 AD: 6000' 370' Lsdolchert 370'-24hrs Air
 GI: 75% Spud 14 3/4" hole 630PM 10-10-80
 AFE: \$911,000 (D) NOW dusting. - 14 3/4" hole 2 days
 RIG: GULF #1
 SPUD: 10-10-80
 20" OD ~~Conductor 86' below GL~~
 @102'

RECEIVED

10-10-80

MOHAVE: CORDILLERA "BJ" FED. #1
 AD: 6000' RURT + Air Equipment
 GI: 75% Expect to spud Late to day.
 AFE: \$911,000 (D)
 RIG: GULF #1
 SPUD: 10- -80
 20" OD Conductor 86' below GL

RECEIVED

10-9-80

MOHAVE: CORDILLERA "BJ" FED. #1
 AD: 6000'
 GI: 75%
 AFE: \$911,000 (D)
 RIG: GULF #1
 SPUD: 10- -80
 20" OD Conductor 86' below GL

10-8-80

MOHAVE: CORDILLERA "BJ" FED. #1 RURT
 AD: 6000'
 GI: 75% RIGHTING UPTURNED RIGGING TRUCK
 AFE: \$911,000 (D)
 RIG: GULF #1
 SPUD: 10- -80
 20" OD Conductor 86' below GL

MOHAVE: CORDILLERA "BJ" FED. #1 RURT
 AD: 6000'
 GI: 75%
 AFE: \$911,000 (D) 10-7-80
 RIG: GULF #1
 SPUD: 10- -80
 20" OD Conductor 86' below G.L.

10-24-80

MOHAVE: CORDILLERA "BJ" FED. #1 ~~2198~~ sd ~~144~~ 23 1/2 h
 AD: 6000' FWG 8.7 43 vis 7 WL 5.3 FT/HR
 GI: 75% 14 days
 AFE: \$911,000 (D) Sun 2045 - 3/4"
 RIG: GULF #1 NOB Drlg 14 3/4"
 SPUD: 10-10-80 14 days
 20" @ 102' No fluid lost last 24 hrs

Report for 10-22-80

MOHAVE: CORDILLERA "BJ" FED. #1 2012' Red ss 44' - 13 hrs FW gel 8.4 pp 36 am 12 ccw. L
 AD: 6000' Finished filling hole (total of 600 bbls) TIN to 1500' circ.
 GI: 75% Then RIH to 1680' + 1840' washed + rotated to 1968'
 AFE: \$911,000 (D) WITH full mud returns NOW O.B. drlg 14 3/4"
 RIG: GULF #1 hole no fluid lost last 24 hrs. 12 days
 SPUD: 10-10-80
 20" @ 102' 12 days

2074' Red sh & sh 62' 17 hrs
 FWG 8.6#, 40 vis, 10 WL, TOH @ 2020'
 WITH w/12 more 6 1/2" collars same bit
 NOB Drlg 14 3/4" hole 10-23-80
 13 days
 No fluid lost last 24 hrs

10-22-80

MOHAVE: CORDILLERA "BJ" FED. #1 2012' Red sandstone. 44' in 13 hrs.
 AD: 6000' FW gel 8.4 36 vis. 12 water loss.
 GI: 75% Filled hole w/600 Bbl. mud. TIH to 1500'
 AFE: \$911,000 (D) Circ. then TIH 1680' and TIH to 1840'
 RIG: GULF #1 Washed and rotated to 1968' 128' w/full
 SPUD: 10-10-80 returns & now drlg. 14-3/4" hole w/full
 20" @ 102' returns. Day 12.
 Cost - \$388,330.

Have not lost any fluid.

10-21-80

MOHAVE: CORDILLERA "BJ" FED. #1 1968 NINE FW gel 8.4 - 40 16 cc 6 #/bbl Lem
 AD: 6000' 11 days NO REPORT attempted to dry out hole
 GI: 75% POH BUILT ADD MUOVIL INK FLOWLINE RIH TO
 AFE: \$911,000 (D) 1500'. PUMPED 150 bbl MUD. PULLED UP TO
 RIG: GULF #1 1000' SPBT 150 bbl mud 0600 PULLED UP TO
 SPUD: 10-10-80 CONDUCTOR PIPE. NOW ATTEMPT TO LOAD HOLE.
 20" @ 102' PREPARING TO CREATE. 14 3/4" HOLE. 11 DAYS.

S
S
M
T
N
T
H
F
S
M
T

Handwritten initials

Gulf Oil Exploration and Production Company

R. E. Galvin
VICE PRESIDENT PRODUCTION - U.S.

P. O. Box 2100
Houston, TX 77001

June 10, 1980

RECEIVED

JUN 13 1980

C & G CONS. COMM.

Mr. Don Whittaker
Director
Enforcement Section
Oil and Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

Dear Mr. Whittaker:

I am enclosing the organization report which you requested in your June 2, 1980, letter to Mr. Melvin J. Hill, President of Gulf Oil Exploration and Production Company.

The report has been certified by Mr. W. C. Larrabee, Assistant Secretary of Gulf Oil Corporation, and is accompanied by three attachments which show the type of business, officers and directors of the Corporation.

Yours truly,

Handwritten signature of R. E. Galvin

R. E. GALVIN

REG:DH

Enclosures - 4

cc: Mr. E. M. Miller (With Encls)
Vice President
Western Division
Gulf Oil E&P Co. - U. S.
P.O. Box 1150
Midland, Texas 79702



A DIVISION OF GULF OIL CORPORATION

706

ORGANIZATION REPORT

Full Name of the Company, Organization, or Individual

Gulf Oil Corporation

Post Office Address (Box or Street Address)

Gulf Building, P. O. Box 1166, Pittsburgh, PA 15230

Plan of Organization (State whether organization is a corporation, joint stock association, firm or partnership, or individual)

corporation

Purpose of Organization (State type of business in which engaged)

See Attachment 1

If a reorganization, give name and address of previous organization.

N/A

If a foreign corporation, give (1) State where incorporated

Pennsylvania

(2) Name and post office address of state agent

CT Corporation System
14 N 18th Avenue
Phoenix, Arizona 85007

(3) Date of permit to do business in state

November 12, 1947

Principal Officers or Partners (if partnership)
NAME

See Attachment 2

TITLE

POST OFFICE ADDRESS

DIRECTORS NAME

POST OFFICE ADDRESS

See Attachment 3

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Assistant Secretary of the

Gulf Oil Corporation (company), and that I am authorized by said company to make this report; and that this report was prepared under my supervision and direction and that the facts stated therein are true, correct and complete to the best of my knowledge.

M. L. ...
Signature

JUNE 9, 1980
Date

RECEIVED
JUN 12 1980
O & G CONS. COMM.

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Organization Report
File One Copy
Form No. 1

ATTACHMENT 1

Purpose of Organization (State type of business in which engaged):

Produce, refine, transport and deal in petroleum, its products, and by-products, coal, clay, ores, minerals and elements, plastics, petrochemicals, industrial and agricultural chemicals, adhesives, goods, wares, and merchandise of all kinds, own, and dispose of real and personal property, conduct research and operate trading and service business of all kinds

ATTACHMENT 2

Principal Officers or Partners (if partnership)

NAME	TITLE	POST OFFICE ADDRESS
Jerry McAfee	Chairman of the Board, Chief Executive Officer	P.O. Box 1166 Pittsburgh, PA 15230
James E. Lee	President	"
Edward B. Walker, III	Executive Vice President	"
Harold H. Hammer	"	"
Robert W. Baldwin	President, Gulf Refining and Marketing Co.	P.O. Box 2001 Houston, TX 77001
Richard J. Goeken	President, Gulf Mineral Resources Company	1720 Bellaire St. Denver, CO 80222
Herbert I. Goodman	President, Gulf Oil Trading and Transportation Company	P.O. Box 1167 Pittsburgh, PA 15230
Melvin J. Hill	President, Gulf Oil Exploration and Production Company	P.O. Box 2100 Houston, TX 77001
Zane Q. Johnson	President, Gulf Science and Technology Company	P.O. Box 1166 Pittsburgh, PA 15230
William C. Roher	President, Gulf Oil Chemicals Company	P.O. Box 3766 Houston, TX 77001
Charles A. Boyce	Secretary and Associate General Counsel	P.O. Box 1166 Pittsburgh, PA 15230
John J. Earnest, Jr.	Comptroller	"
Paul H. Weyrauch	Treasurer	"
James L. Murdy	Vice President & Chief Financial Officer	"

RECEIVED

JUN 12 1980

G & G CONS. COMM.

ATTACHMENT 3

<u>Directors Name</u>	<u>Post Office Address</u>
R. Hal Dean	835 South Eighth Street St. Louis, MO 63102
Robert Dickey, III	One Oliver Plaza Pittsburgh, PA 15222
J. Peter Gordon	P. O. Box 205 Toronto - Dominion Centre Toronto, Ontario CANADA M5K 154
Harold H. Hammer	P. O. Box 1166 Pittsburgh, PA 15230
James E. Lee	P. O. Box 1166 Pittsburgh, PA 15230
Jerry McAfee	P. O. Box 1166 Pittsburgh, PA 15230
Nathan W. Pearson	P. O. Box 1138 Pittsburgh, PA 15230
Sister Jane Scully	3333 Fifth Avenue Pittsburgh, PA 15213
Edwin Singer	Bank and Trust Tower Corpus Christi, TX 78477
Edward B. Walker, III	P. O. Box 1166 Pittsburgh, PA 15230
James M. Walton	4400 Forbes Avenue Pittsburgh, PA 15213

January 16, 1981

Mr. L. R. Woodward
Gulf Oil Exploration & Production Co.
P.O. Box 1150
Midland, Texas 79702

Re: Gulf Oil Cordillera "BJ" Federal #1
Mohave County, Arizona
Permit #706

Dear Mr. Woodward:

This is to advise you that we have received all of the completed forms, logs, and samples as required by the state rules and regulations.

We wish to thank you for your cooperation and we are looking forward to your continued exploration activities in Arizona.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os

Gulf Oil Exploration and Production Company

G. M. Markey, Jr.
GENERAL MANAGER EXPLORATION
SOUTHWEST DISTRICT

January 12, 1981

P. O. Box 1150
Midland, TX 79702

RECEIVED

JAN 13 1981

O & G CONS. COMM.

Oil and Gas Commission
1645 West Jefferson
Suite 420
Phoenix, Arizona 85007

Dear Mr. Whittaker:

Enclosed is the Drillers daily report on the Gulf well,
Cordillera "BJ" Federal #1, to further comply with the Arizona
State Regulations.

This well was drilled as a "Tight Hole".

Sincerely,

L. R. Woodard


By: O. F. Huffman

NRK/dn
Enclosure



A DIVISION OF GULF OIL CORPORATION

Gulf Oil Exploration and Production Company

G. M. Markey, Jr.
GENERAL MANAGER EXPLORATION
SOUTHWEST DISTRICT

January 7, 1981

P. O. Box 1150
Midland, TX 79702

Oil and Gas Commission
1645 W. Jefferson
Suite 420
Phoenix, Arizona 85007

Attention: D. L. Whittaker

Dear Mr. Whittaker:

In order to comply with the State of Arizona's regulations, we are sending you the following logs run by Schlumberger on Gulf's well, The Cordillera "BJ" Federal #1, Mohave County, Arizona.

These logs include the following: Sidewall Neutron Log, Continuous Directional, Collar Locator - Gamma Ray Log, Dual Induction - SFL W/Linear Correlation Log, Fracture Identification Log W/Correlation Log, Compensated Neutron - Formation Density, Four-Arm High Resolution Continuous Dipmeter.

Core Samples, Cuttings, and Drillers Logs will be mailed as soon as this information can be compiled for your records.

Sincerely,

L. R. Woodard

L. R. Woodard

NRK
NRK/dn
Enclosure



A DIVISION OF GULF OIL CORPORATION

fly

Gulf Oil Exploration and Production Company

January 6, 1981

RECEIVED

JAN 12 1981

P. O. Box 670
Hobbs, NM 88240

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

O & G CONS. COMM.

Re: Cordillera "BJ" Federal No. 1
Mohave County, Arizona
State Permit No. 706

Mr. D. L. Whittaker, Director
Enforcement Section
Oil & Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

Dear Sir:

As requested in your letter of December 23, 1980 concerning subject well, attached is information for Items 1, 2, and 3. Items 4 through 7 will be furnished by our Midland office at an early date.

If additional information is required, please advise.

Yours very truly,

R. C. Anderson
R. C. ANDERSON

PTG:

cc: Newton Klemann
Room 305, Midland



A DIVISION OF GULF OIL CORPORATION

January 6, 1981

Gulf Oil Corporation
P.O. Box 1150
Midland, Texas 79701

Attention: Knute Klemann

Dear Mr. Klemann:

Please find enclosed the forms required to bring your Mohave County well into compliance with state rules and regulations. Also enclosed is a complimentary copy of the rules.

The information you need can be found on pages 17 and 18.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os
Enc.

706

December 23, 1980

Mr. R. C. Anderson
Production Manager
Gulf Oil, Exploration and Production Company
P.O. Box 670
Hobbs, New Mexico 88240

Re: Cordillera "BJ" Federal No. 1
Mohave County, Arizona
State Permit No. 706

Dear Mr. Anderson:

The following items and information are needed on the above captioned well to bring it into compliance with state rules and regulations:

1. Application to Abandon and Plug, Form No. 9
2. Plugging Record, Form No. 10
3. Well Completion and Well Log, Form No. 4
4. Drillers Log
5. Electric Logs
6. Core Samples
7. Well Samples

Please refer to Rule No. 119, Pages 17 and 18, in the State Rules and Regulations Handbook.

Included are the necessary forms mentioned above.

Yours truly,

D. L. Whittaker
Director
Enforcement Section

DLW/vb

Enc.

Handwritten initials

Gulf Oil Exploration and Production Company

RECEIVED

November 14, 1980

NOV 19 1980

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

P. O. Box 670
Hobbs, NM 88240

O & G CONS. COMM.

Re: Cordillera "BJ" Federal No. 1
Mohave County, Arizona

Mr. Don Whittaker, Director
Enforcement Section
Oil and Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

Dear Sir:

We are in receipt of your letter of November 12, 1980 relative to drilling subject well as a tight hole.

You are hereby requested to hold any information on this well as confidential for the duration as specified within the State Rules and Regulations.

If further information is required, please advise.

Yours very truly,

R. C. Anderson
R. C. ANDERSON

ptg:

cc: G. Markey - Midland
R. L. Vaught
K. M. Mallon
R. C. Anderson
Jerry Layton

*915 - 367-3100 - ODESSA
DOYLE WILLIAMS*



A DIVISION OF GULF OIL CORPORATION

706

November 12, 1980

R. C. Anderson
Gulf Oil Exploration & Production Co.
P.O. Box 670
Hobbs, New Mexico 88240

Dear Mr. Anderson:

We have been advised in telephone conversations that your Cordillera "BJ" Federal #1, Mohave County, Arizona, is being drilled as a tight hole and information obtained from drilling this well is confidential.

All information received to date is being classified confidential and will continue to be treated as such for the duration as specified within the State Rules and Regulations. However, we do need a letter for our files stating this request.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os

August 11, 1980

R. C. Anderson
Gulf Oil Exploration & Production Co.
P.O. Box 670
Hobbs, New Mexico 88240

Re: Cordillera "BJ" Federal No. 1
Mohave County, Arizona, Permit No. 706

Dear Mr. Anderson:

By this letter we hereby grant you a 90-day extension on the permit to drill the above captioned well. The permit is now good until November 15, 1980.

If we can be of any assistance on this venture, please advise.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

August 7, 1980

RECEIVED

AUG 11 1980

P. O. Box 670
Hobbs, NM 88240

O & G CONS. COMM.

Re: Cordillera "BJ" Federal #1
Mohave County, Arizona

Oil & Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

ATTENTION: Mr. Don Whittaker

Gentlemen:

In reference to your letter of July 30, 1980 regarding the subject well, Gulf is hereby requesting a 90-day extension on the permit to drill. So far we have been unable to find a contract rotary rig, but are still hopeful of spudding the well before October 1980.

If anything further is needed to obtain this extension, please let us hear from you.

Yours very truly,

R. C. Anderson
R. C. ANDERSON

RCA/jr



A DIVISION OF GULF OIL CORPORATION

July 30, 1980

R. C. Anderson
Gulf Oil Exploration & Production Co.
P.O. Box 670
Hobbs, New Mexico 88140

Re: Gulf Oil Cordillera "BJ" Federal No. 1
Mohave County, Arizona

Dear Mr. Anderson:

On May 15, 1980, you were issued a permit to drill the above captioned well. This permit will expire August 15, 1980.

If you wish a 90-day extension of this permit, please advise. Extension will be granted at no charge.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os

255-

June 2, 1980

M. J. Hill, President
Gulf Oil Exploration & Production Co.
P.O. Box 2100
Houston, Texas 77001

Dear Mr. Hill:

Gulf Oil Corp. has been issued a permit to drill the Gulf Oil Federal No. 1 in Mohave County, Arizona. The state requires that an organization report be filed with this Commission.

Please have the enclosed form completed and returned at your earliest convenience, as we must have this before the well is commenced.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os
Enc.

255-5161

May 19, 1980

R. C. Anderson
Gulf Oil Exploration & Production Co.
P.O. Box 670
Hobbs, New Mexico 88240

Dear Mr. Anderson:

Please find enclosed the drilling permit for your well in Mohave County and other information pertaining to the drilling of this well. The state requires two sets of samples. Instructions for handling the samples, as well as progress report instructions and sundry report forms, are enclosed.

If we can be of any assistance, please do not hesitate to call on us, and we wish you success in this venture.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os
Enc.

fly

Gulf Oil Exploration and Production Company

R. C. Anderson
PRODUCTION MANAGER, HOBBS AREA

May 16, 1980

P. O. Box 670
Hobbs, NM 88240

Oil & Gas Conservation Commission
State of Arizona
1645 West Jefferson, Suite 420
Phoenix, Arizona 85007

ATTENTION: Mr. Don Whitaker

Gentlemen:

As you requested, enclosed is our check in the amount of \$25.00 as permit fee for the drilling of Gulf's Cordillera "BJ" Federal No. 1. Also included is a copy of the 1979 Annual Report of Gulf Oil Corporation, which shows the corporate organization.

I hope this is the information you needed.

Yours very truly,

R. C. Anderson
R. C. Anderson

RCA/jr

DETACH AND RETAIN THIS STATEMENT FOR YOUR RECORD

DATE	DESCRIPTION	AMOUNT	DISCOUNT	TOTAL
May 16, 1980	Drilling Fee for Gulf's Cordillera "BJ" Fed No. 1	\$25.00	--	\$25.00

ADDRESS CORRESPONDENCE REGARDING THIS PAYMENT TO
P. O. BOX 670, HOBBS, NM 88240

GULF OIL CORPORATION

No 561-1382

IMPORTANT: MENTION THIS CHECK NUMBER →



A DIVISION OF GULF OIL CORPORATION

The Gulf Companies

TREASURY DEPARTMENT

May 7, 1980

RECEIVED

MAY 9 1980

O & G CONS. COMM.

P. O. Box 2227
Houston, TX 77001

Mr. W. E. Allen
Executive Secretary
Oil and Gas Conservation Commission
1645 West Jefferson, Suite 420
Phoenix, AZ 85007

Dear Mr. Allen:

This will confirm our telephone conversation today in which we advised you that Surety Bond No. 8031-74-54, Blanket Drilling Bond for the State of Arizona, in the amount of \$25,000.00, is now in effect, and will be automatically renewed on September 1, 1980.

Thank you for your courtesy and cooperation in this matter. If you have any questions regarding this bond, please let us know.

Yours very truly,

Anna C. Bruce
for B. F. Davidson

ACP/s

cc: Mr. J. Reid Williams (BB)
Mr. Ed Heath - Midland



111503

255-

April 30, 1980

Ken Mallon
Gulf Oil Company
P.O. Box 670
Hobbs, New Mexico 88240

Dear Mr. Mallon:

Please find enclosed Arizona Rules and Regulations and copies of various forms that must be submitted before a drilling permit can be issued.

We have on file Gulf Oil Co. state wide bond issued by Federal Insurance Co. in September 1967. Please have the bonding company verify this bond is still in effect. Also provide us with a bond number as we do not have this number in our files. Please complete the organization form as we are certain there have been changes since 1967.

If we can be of assistance to Gulf Oil Company in the future, please advise. We wish you success in this venture.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os
Enc.

706