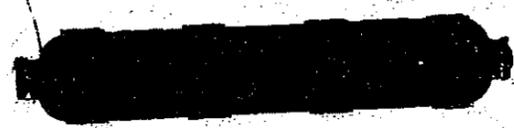


~~Release Date 11-14-75~~
CONFIDENTIAL

P-W



310
AMERADA #1 HOPI
SE/4NE/4 S8-T29N-R19E, Navajo Cnty

WELL COMPLETION OR RECOMPLETION REPORT AND WELL LOG

DESIGNATE TYPE OF COMPLETION:

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

DESCRIPTION OF WELL AND LEASE

Operator: Amerada Petroleum Corporation Address: Box 1469, Durango, Colorado

Federal, State or Indian Lease Number or name of lessor if fee lease: #14-20-0450-5075 Well Number: Hopi #1 Field & Reservoir: Wildcat - First Mesa Area

Location: Center of SE 1/4 of NE 1/4, 1980' FNL & 660' FEL County: Navajo

Sec. TWP-Range or Block & Survey: Section 8, T-29N, R-19E

Date spudded: 4/11/65 Date total depth reached: 5/12/65 Date completed, ready to produce: Dry Hole Elevation (DF, RKB, RT or Gr.): KB 6183' feet Elevation of casing hd. flange: 6171' feet

Total depth: 7750' P.B.T.D. Single, dual or triple completion?: Dry Hole - Plugged Dry Hole If this is a dual or triple completion, furnish separate report for each completion.

Producing interval (s) for this completion: Dry Hole Rotary tools used (Interval): 0' to 7750' Cable tools used (Interval): None

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): Induction-ES, Gamma Ray-Neutron & Sonic Date filed: Not to date

CASING RECORD

Casing (report all strings set in well—conductor, surface, intermediate, producing, etc.)						
Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	12-1/4"	9-5/8"	32.30	1223'	640	None

TUBING RECORD

LINER RECORD

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

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth interval	Am't. & kind of material used	Depth interval
None				

INITIAL PRODUCTION

Date of first production: None Producing method (indicate if flowing, gas lift or pumping—if pumping, show size & type of pump):

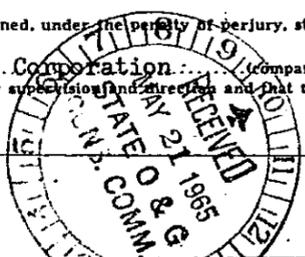
Date of test: None Hrs. tested: Choke size: Oil prod. during test: Gas prod. during test: Water prod. during test: Oil gravity: ° API (Corr)

Tubing pressure: Casing pressure: Cal'd rate of Pro-duction per 24 hrs.: Oil: Gas: Water: Gas-oil ratio

Disposition of gas (state whether vented, used for fuel or sold): None

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Authorized Representative of the Amerada Petroleum 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: 5/20/65



Signature: *[Handwritten Signature]*

CONFIDENTIAL

Release Date: 11-14-65
Permit No. 310

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

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
NO CORES TAKEN			
4/18/65 - DST #1			- Tested from 3697' to 3762', Chinle Zone, 1 Hr. & 48 Min. Test, 4-1/2" DP, No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, had a weak blow of air immediately, slowly decreasing after 15 Min., died in 48 Min.. Closed tool for 90 Min. BHP. Pulled packers loose, recovered 210' (1.53 Bbls.) of drilling mud, no show of oil, gas or water. IHP 1852#, IFP 56#, FFP 113#, 10 Min. BHP 225#, 20 Min. 239#, 30 Min. 239#, 40 Min. 268#, 50 Min. 268#, 60 Min. 282#, 70 Min. 282#, 80 Min. 296#, 90 Min. 310# and FHP 1852#. Bottom Hole Temp. 98 Deg..
5/3/65 - DST #2			- Tested from 7095' to 7191', Mississippian Zone, 1 Hr. & 15 Min. Test, 4-1/2" DP, No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, had a very weak blow of air and died in 15 Min.. Closed tool for 90 Min. BHP. Pulled packers loose and recovered 146' (1.07 Bbls.) drilling mud, no show of oil, gas or water. IHP 3580#, IFP 29#, FFP 117#, 10 Min. BHP 1129#, 20 Min. 1445#, 30 Min. 1919#, 40 Min. 2193#, 50 Min. 2208#, 60 Min. 2222#, 70 Min. 2236#, 80 Min. 2251#, 90 Min. 2251# and FHP 3536#.
5/11/65 - DST #3			- Tested from 7548' to 7660', Devonian Zone, 4 Hr. Test, 4-1/2" DP, No Water Cushion, 3/4" Btm. & 1-1/4" Top Opening In Tool. Opened tool, had a very weak blow of air immediately & increased to strong blow in 2 Min., continued strong for 29 Min. & decreased to weak blow @ end of 4 hrs.. Vol. to small to measure, mud logging unit did not pick up any shows of gas. Closed tool for 90 Min. BHP. Pulled packers loose, recovered 2325' (33.02 Bbls.) mud cut, slightly salty 8.7# water, 2648' (33.90 Bbls.) of 8.7# slightly salty water, no show of oil or gas. IHP 3855#, IFP 163#, FFP 2261#, 10 Min. BHP 2395#, 20 Min. 2409#, 30 Min. 2435#, 40 Min. 2435#, 50 Min. 2435#, 60 Min. 2449#, 70 Min. 2449#, 80 Min. 2449#, 90 Min. 2449# and FHP 3734#.
SCHLUMBERGER TOPS:			
Mancos	302'		
Dakota	821'		
Navajo	1612'		
Wingate	2129'		
Rock Pt.	2420'		
Chinle	2760'		
DeChelly	4060'		
Organ Rock Supai	5540'		
Penn.	6579'		
Miss.	6842'		
Ouray	7039'		
Upper Elbert	7095'		
McCracken	7330'		
Aneth	7437'		
Bright Angel	7528'		
Tapeats	7560'		
Pre-Cambrian	7695'		

We will file logs as soon as received from Schlumberger.

* 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.

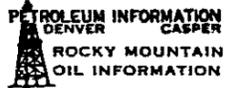
INSTRUCTIONS:

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 Oil & Gas Conservation Commission not later than thirty days after project completion.

310

ARIZONA
NAVAJO CO.
WILDCAT (W)



Twp 29n-19e
Section 8.
se ne
1980.s/n 660.w/e

OPR: Amerada Pet

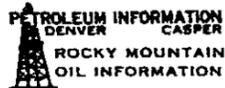
WELL #: 1 Hopi-5075 ..

ELEV:	DSTS. & CORES:	SPUD:	COMPL:
TOPS: Log-Sample	9400 preCambrian test	TD: 7750	PB:
		CSG:	
		PERF:	
		PROD. ZONE:	
		INIT. PROD:	D&A. (Tight hole).

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ5-562260

310
ARIZONA
NAVAJO CO.
WILDCAT (W)



wp 29n-19e
Section 8
se ne
1980 s/n 660 w/e

OPR: Amerada Pet

WELL #: 1 Hopi-5075

ELEV: 6183 KB 6171 4L

DSTS. & CORES:

SPUD: 4-11-65

COMPL: 5-14-65

TOPS: Log-Samples

Mancos 302, Dakota 821,
Navajo 1612, Wingate 2129,
Chinle 2760, DeChelly 4060,
Organ Rock 5540, Pennsylvan-
ian 6579, Mississippian 6842,
Ouray 7039, Elbert 7095, Mc-
Cracken 7330, Aneth 7437,
Bright Angel sh 7528, Topeats
7560, preCambrian 7695.

No cores. DST 3697-
3762, open 1 hr 48 mins,
SI 1 1/2 hrs, rec 210 mud,
FP 56-113#, FSIP 310#,
HP 1852-1852#. DST
7095-7191, open 1 hr 15
mins, SI 1 1/2 hrs, rec 146
mud, FP 29-117#, FSIP
225#, HP 3580-3536#.
DST 7548-7660, open
4 hrs, SI 1 1/2 hrs, rec
2325 MC sli salt wtr,
2648 sli salt wtr, FP 163-
2261#, FSIP 2449#, HP
3855-3734#.
Contr: Exeter

TD: 7750

PB:

CSG: 9-5/8" @ 1223 w/640

PERF:

PROD. ZONE:

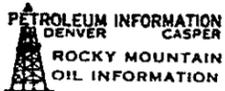
INIT. PROD: D&A

(RE-ISSUED CARD)

ARIZ-568221

310

ARIZONA
NAVAJO CO.
WILDCAT (W)



fwp 29n-19e
Section 8
se ne
1980 s/n 660 w/e

OPR: Amerada Pet

WELL #: 1 Hopi-5075

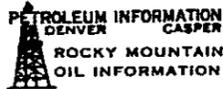
ELEV:	DSTS. & CORES:	SPUD:	COMPL:
TOPS: Log-Sample	9400 preCambrian test	TD: 7750	PB:
		CSG:	
		PERF:	
		PROD. ZONE:	
		INIT. PROD:	D&A. (Tight hole).

(CARD WILL BE RE-ISSUED WHEN DATA AVAILABLE)

ARIZ5-562260

310

ARIZONA
NAVAJO CO.
WILDCAT (W)



fwp 29n-19e
Section 8
se ne
1980 s/n 660 w/e

OPR: Amerada Pet

WELL #: 1 Hopi-5075

ELEV: 6183 KB 6171 4L	DSTS. & CORES:	SPUD: 4-11-65	COMPL: 5-14-65
TOPS: Log-Sample	No cores. DST 3697-3762, open 1 hr 48 mins, SI 1 1/2 hrs, rec 210 mud, FP 56-113#, FSIP 310#, HP 1852-1852#. DST 7095-7191, open 1 hr 15 mins, SI 1 1/2 hrs, rec 146 mud, FP 29-117#, FSIP 225#, HP 3580-3536#. DST 7548-7660, open 4 hrs, SI 1 1/2 hrs, rec 2325 MC sli salt wtr, 2648 sli salt wtr, FP 163-226#, FSIP 2449#, HP 3855-3734#. Contr: Exeter	TD: 7750	PB:
Mancos 302, Dakota 821, Navajo 1612, Wingate 2129, Chinle 2760, DeChelly 4060, Organ Rock 5540, Pennsylvanian 6579, Mississippian 6842, Ouray 7039, Elbert 7095, McCracken 7330, Aneth 7437, Bright Angel sh 7528, Topeats 7560, preCambrian 7695.		CSG: 9-5/8" @ 1223 w/640	
		PERF:	
		PROD. ZONE:	
		INIT. PROD:	D&A

(RE-ISSUED CARD)

ARIZ3-568221

PLUGGING RECORD

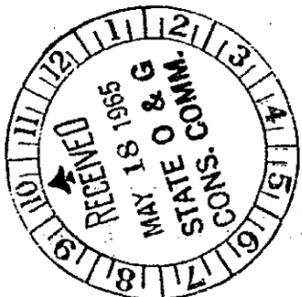
Operator Amerada Petroleum Corporation		Address Box 1469, Durango, Colo.			
Federal, State, or Indian Lease Number, or lessor's name if fee lease. #14-20-0450-5075		Well No. Hopi #1	Field & Reservoir Wildcat - First Mesa Area		
Location of Well Center of SE 1/4 of NE 1/4, 1980' FNL & 660' FEL, Sec. 8, T-29N, R-19E			County Navajo		
Application to drill this well was filed in name of Amerada Petroleum Corp.	Has this well ever produced oil or gas No - Dry Hole	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry? - - Yes			
Date plugged: 5/14/65	Total depth 7750'	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day) Dry Hole Dry Hole Dry Hole			
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		
Dakota	Fresh Water	Top: 821'	Cased off w/9-5/8"		
Cow Springs	" "	" 980'	" " "		
Cambrian (Tapeats)	Slightly Salty Water	" 7560'	Cement plug 7500'-7600'		
			See Back Side For Other Plugs.		
CASING RECORD					
Size pipe	Put in well (ft.)	Pulled out (ft.)	Left in well (ft.)	Give depth and method of parting casing (shot, ripped, etc.)	Packers and shoes
9-5/8"	1207' ^{Ind's.} Off	None	1207' ^{Ind's.} Off	-	Larkin Float Guide Shoe @ 1223'
Was well filled with mud-laden fluid, according to regulations? Yes			Indicate deepest formation containing fresh water. Cow Springs - Top 980'		
NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE					
Name	Address		Direction from this well:		
None					
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.					
Spotted plug 50' above & 50' below where 9-5/8" csg. is set, and 10' plug in top of 9-5/8", as requested by Hopi Tribe. Hopi's want well for further water supply.					
Use reverse side for additional detail.					
CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the <u>Authorized Representative</u> of the <u>Amerada Petroleum 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 May 17, 1965		Signature <i>R. L. Nurse</i>			
CONFIDENTIAL			STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy		
Release Date <u>11-14-65</u>			Form No. 10		
Permit No. 310					

Note: The following plugs were spotted as recommended by U.S.G.S., Farmington, New Mexico:

35	sacks	cement	from	7600'	to	7500'	-	100'	plug
35	"	"	"	7150'	"	7050'	-	100'	"
35	"	"	"	6900'	"	6800'	-	100'	"
53	"	"	"	5600'	"	5450'	-	150'	"
35	"	"	"	3950'	"	3850'	-	100'	"
37	"	"	"	1270'	"	1170'	-	100'	"

Spotted 10' plug in top of 9-5/8" casing, as requested and approved by Hopi Tribe.

Plug from 1170' to 1270' is 50' above and 50' below where 9-5/8" csg. is set.



APPLICATION TO ABANDON AND PLUG

FIELD First Mesa Area
 OPERATOR Amerada Petroleum Corporation ADDRESS Box 1469, Durango, Colorado
 Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease #14-20-0450-5075 WELL NO Hopi #1
 SURVEY _____ SECTION 8 COUNTY Navajo
 LOCATION Center of SE $\frac{1}{4}$ of NE $\frac{1}{4}$, 1980' FNL & 660' FEL, Section 8, T-29N, R-19E,
Navajo County, Arizona.

TYPE OF WELL Dry Hole (Oil, Gas or Dry Hole) TOTAL DEPTH 7750'
 ALLOWABLE (If Assigned) Dry Hole
 LAST PRODUCTION TEST OIL Dry Hole (Bbls.) WATER _____ (Bbls.)
 GAS Dry Hole (MCF) DATE OF TEST _____
 PRODUCING HORIZON None PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD Ran 33 Jts. 9-5/8" OD 32.30# 8-RT H-40 R-2 SS Csg. ST&C New and
6 Jts. 9-5/8" OD 36# 8-RT J-55 R-2 SS Csg. ST&C New, Set @ 1223'.

2. FULL DETAILS OF PROPOSED PLAN OF WORK Spot cement plugs in well as follows:
43 sacks cement from 7500' to 7600' - 100' plug; 43 sacks cement from 7050' to 7150' - 100'
plug; 43 sacks cement from 6800' to 6900' - 100' plug; 64 sacks cement from 5450' to 5600' -
150' plug; 43 sacks cement from 3850' to 3950' - 100' plug & 43 sacks cement from 1170' to
1270' - 100' plug. Will spot plug 50' above & 50' below 9-5/8" csg. setting. Hole will have
heavy rotary mud between plugs. Dry hole maker will be installed. Hopi Tribe asked for 10'
plug to be spotted in top of 9-5/8" csg..

If well is to be abandoned, does proposed work conform with requirements of Rule 202? Yes If not, outline proposed procedure above.

DATE COMMENCING OPERATIONS 5/14/65
 NAME OF PERSON DOING WORK D. F. Furse ADDRESS Box 1469, Durango, Colo.
 CORRESPONDENCE SHOULD BE SENT TO D. F. Furse
 Name
Foreman
 Title
Box 1469, Durango, Colorado
 Address
5/13/65
 Date

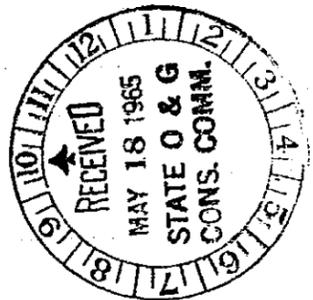
Date Approved 5-21-65
 STATE OF ARIZONA
 OIL & GAS CONSERVATION COMMISSION
 By: John Bannister

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

Permit No. 310

CONFIDENTIAL

Release Date 11-14-65



— Amruda Napi
5-18-65
(Eyecek Rig)
plugged



AMERADA PETROLEUM CORPORATION

P. O. BOX 1469
DURANGO, COLORADO
May 20, 1965

PHONE CH 7-5353-54

Mr. John Bannister
Oil & Gas Conservation Commission
Room 202
1624 West Adams
Phoenix, Arizona

Dear Sir:

We are listing below the Sureshot and Totco Deviation Straight Hole Tests run on Amerada's Hopi #1, located in the SE/NE of Sec. 8, T-29N, R-19E, Navajo County, Arizona.

The subject well was spudded 4/11/65 and drilled by Exeter Drilling Company to a total depth of 7750'. Well was plugged and abandoned 5/14/65.

SURESHOT & TOTCO DEVIATIONS

<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>	<u>Depth</u>	<u>Degrees</u>
100'	1/2	2000'	3/4	4960'	6	6811'	1
200'	3/4	2450'	1-1/2	5065'	6	6850'	1
400'	1/2	2735'	1/2	5268'	6	7025'	1
500'	1/2	2875'	1	5550'	3	7191'	1-1/2
665'	1-1/2	3235'	3/4	5725'	3	7310'	1
775'	1-1/4	3740'	1-1/4	5800'	2-3/4	7425'	1
865'	3/4	4075'	1-1/4	6027'	2	7660'	1
1080'	3/4	4400'	1-3/4	6195'	1-1/2		
1225'	1/2	4785'	7	6427'	2-3/4		
1504'	3/4	4855'	7	6648'	1-1/4		

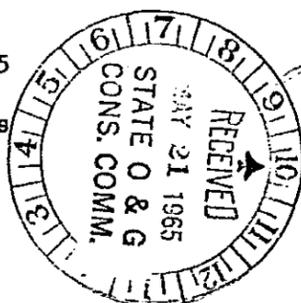
This is to certify that the above deviations were run by drillers of Exeter Drilling Company on the subject well, and are true and correct to the best of my knowledge and belief.

By 
C. C. Murphy
Amerada Petroleum Corporation

Subscribed and sworn to before me a Notary Public in and for said County of La Plata, in the State of Colorado.

20th day of May, 1965

My Commission expires
September 14, 1968.




Lida Koshak Garcia

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Amerada Petroleum Corporation
 2. OIL WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Hopi #1
 Location Center of SE 1/4 of NE 1/4, 1980' FNL & 660' FEL
 Sec. 8 Twp. 29N Rge. 19E County Navajo, Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease #14-20-0450-5075
 5. Field or Pool Name First Mesa Area

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

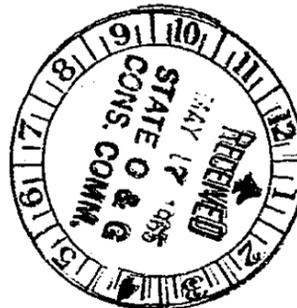
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	MONTHLY PROGRESS <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	DIRECTIONAL DRILL <input type="checkbox"/>	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>Drill Stem Test #3</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) <input type="checkbox"/>			<input checked="" type="checkbox"/>

(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.)

5/11/65 - DST #3 - Tested from 7548' to 7660', Devonian Zone, 4 Hr. Test, 4-1/2" DP, No Water Cushion, 3/4" Btm. & 1-1/4" Top Opening In Tool. Opened tool, had a very weak blow of air immediately & increased to strong blow in 2 Min., continued strong for 29 Min. & decreased to weak blow @ end of 4 hrs.. Vol. to small to measure, mud logging unit did not pick up any shows of gas. Closed tool for 90 Min. BHP. Pulled packers loose, recovered 2325' (33.02 Bbls.) mud cut, slightly salty 8.7# water, 2648' (33.90 Bbls.) of 8.7# salt water, no show of oil or gas.
 IHP 3855#, IFP 163#, FFP 2261#, 10 Min. BHP 2395#, 20 Min. 2409#, 30 Min. 2435#, 40 Min. 2435#, 50 Min. 2435#, 60 Min. 2449#, 70 Min. 2449#, 80 Min. 2449#, 90 Min. 2449# and FHP 3734#.

CONFIDENTIAL



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

Signed A. J. Furse Title Foreman Date 5/14/65

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

Permit No. 310

CONFIDENTIAL

Release Date _____

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Amerada Petroleum Corporation
 2. OIL WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Hopi #1
 Location Center of SE 1/4 of NE 1/4, 1980' FNL & 660' FEL
 Sec. 8 Twp. 29N Rgc. 19E County Navajo Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease #14-20-0450-5075

5. Field or Pool Name First Mesa Area

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"/>		ABANDONMENT <input type="checkbox"/>
(OTHER) <u>Abandon</u>	<input checked="" type="checkbox"/>	(OTHER) _____	

(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.)

5/13/65 - Depth 7750' - Propose to plug and abandon and spot plugs in well as follows:

Spot plug from 7500' to 7600' - 43 sacks cement - 100' Plug
" " " 7050' " 7150' - 43 " " - 100' "
" " " 6800' " 6900' - 43 " " - 100' "
" " " 5450' " 5600' - 64 " " - 150' "
" " " 3850' " 3950' - 43 " " - 100' "
" " " 1170' " 1270' - 43 " " - 100' "

Plug from 1170' to 1270' is 50' above and 50' below 9-5/8" casing setting. We will weld cap on top of 9-5/8" casing and leave well in such condition that it can be used by the Hopi Tribe for water. Hole will have heavy rotary mud between plugs. We will install dry hole marker and abandon well.

CONFIDENTIAL



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

Signed A. J. Furse Title Foreman Date 5/14/65

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

Permit No. 310

CONFIDENTIAL

Release Date _____

May 12, 1965 1:15 p.m.

Dan Furrs, Amerada:

Telephone: Office-(303) 247-5353
Home - 247-0085

Well on Hopi is a bust....did 3 DSTs....nothing on first two and water on the thrid last night.

At 7695, top of granite. Will drill a little further to dull the bit that's in the hole....Slumberger will log starting at 10:00 p.m. tonight and finishing probably about noon tomorrow. Then they want to do a velocity survey which will take about 12 hours.

They were very disappointed --hoped this would keep them going.

This is ultra confidential, of course, but if you would like to come up you would be very welcome.

And if you want to keep more closely informed or if there is anything else you would like to know, call at above numbers, collect, or if you can't reach him, call:

District geologist home 247-5453

Murphy, Clerk home 247-1372

Told him you planned to get out and about and that I felt sure you would make a special effort now that you knew they were logging....be delighted to see you.

310

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Amerada Petroleum Corporation
 2. OIL WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Hopi #1
 Location Center of SE 1/4 of NE 1/4, 1980' FNL & 660' FEL
 Sec. 8 Twp. 29N Rge. 19E County Navajo Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease #14-20-0450-5075
 5. Field or Pool Name First Mesa Area

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>Drill Stem Test #2</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" type="checkbox"/>

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

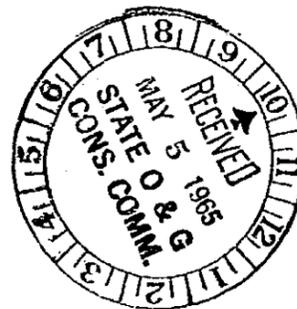
7. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to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

5/3/65 - DST #2 - Tested from 7095' to 7191', Mississippian Zone, 1 Hr. & 15 Min. Test, 4-1/2" DP, No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, had a very weak blow of air and died in 15 Min.. Closed tool for 90 Min. BHP. Pulled packers loose and recovered 146' (1.07 Bbls.) drilling mud, no show of oil, gas or water.
 IHP 3580#, IFP 29#, FFP 117#, 10 Min. BHP 1129#, 20 Min. 1445#, 30 Min. 1919#, 40 Min. 2193#, 50 Min. 2208#, 60 Min. 2222#, 70 Min. 2236#, 80 Min. 2251#, 90 Min. 2251# and FHP 3536#.

CONFIDENTIAL

CONFIDENTIAL

Release Date _____



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

Signed [Signature] Title Field Clerk Date 5/4/65

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

Permit No. 310

CONFIDENTIAL

Release Date _____

SUNDY NOTICES AND REPORTS ON WELLS

1. Name of Operator Amerada Petroleum Corporation, Box 1469, Durango, Colorado
 2. OIL WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Hopi #1
 Location Center of SE 1/4 of NE 1/4, 1980' FNL & 660' FEL
 Sec. 8 Twp. 29N Rge. 19E County Navajo Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease #14-20-0450-5075

5. Field or Pool Name First Mesa Area (Wildcat)

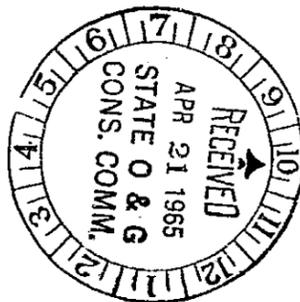
6. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

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>Drill Stem Test #1</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) _____			<input checked="" type="checkbox"/>

(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.)

4/18/65 - DST #1 - Tested from 3697' to 3762', Chinle Zone, 1 Hr. & 48 Min. Test, 4-1/2" DP, No Water Cushion, 3/4" Btm. & 1" Top Opening In Tool. Opened tool, had a weak blow of air immediately, slowly decreasing after 15 Min., died in 48 Min.. Closed tool for 90 Min. BHP. Pulled packers loose, recovered 210' (1.53 Bbls.) Drlg. Mud, no show of oil, gas or water. IHP 1852#, IFP 56#, FFP 113#, 10 Min. BHP 225#, 20 Min. 239#, 30 Min. 239#, 40 Min. 268#, 50 Min. 268#, 60 Min. 282#, 70 Min. 282#, 80 Min. 296#, 90 Min. 310# & FHP 1852#. Bottom Hole Temp. 98 Deg.



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

Signed E. C. Murphy Title Field Clerk Date 4/19/65

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

Permit No. 310

CONFIDENTIAL

SUNDRY NOTICES AND REPORTS ON WELLS

1. Name of Operator Amerada Petroleum Corporation, Box 1469, Durango, Colorado
 2. OIL WELL GAS WELL OTHER (Specify) Wildcat
 3. Well Name Hopi #1
 Location Center of SE 1/4 of NE 1/4, 1980' FNL & 660' FEL
 Sec. 8 Twp. 29N Rge. 19E County Navajo Arizona.
 4. Federal, State or Indian Lease Number, or lessor's name if fee lease #14-20-0450-5075
 5. Field or Pool Name First Mesa Area (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>Set 9-5/8" OD Csg.</u>	ABANDONMENT <input type="checkbox"/>
(OTHER) <input type="checkbox"/>			<input checked="" type="checkbox"/>

(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.)

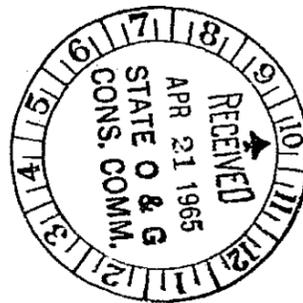
4/11/65 - Spudded 12-1/4" Hole @ 8:30 PM, 4/11/65.

4/13/65 - Ran 33 Jts. 9-5/8" OD 32.30# 8-RT H-40 R-2 SS Csg. ST&C New & 6 Jts. 9-5/8" OD 36# 8-RT J-55 R-2 SS Csg. ST&C New, Set @ 1223', W/Larkin Float Guide Shoe On Bottom.

Dcwell, cemented 9-5/8" OD Csg. W/640 sacks of regular cement w/2% C.C.. Max. pump press. 300#, pumped plug to 1020' @ 12:00 Noon, 4/13/65. Cement Circulated.

4/14/65 - Tested 9-5/8" OD Csg. W/800# Press. For 30 Minutes - Held OK.

Drilling 8-3/4" Hole. Drilling Ahead.



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

Signed [Signature] Title Field Clerk Date 4/19/65

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

Permit No. 310

CONFIDENTIAL

Issue Date _____

13

APPLICATION FOR PERMIT TO DRILL, DEEPEN, PLUG BACK, OR RE-ENTER

- APPLICATION TO DRILL DEEPEN PLUG BACK RE-ENTER OLD WELL

NAME OF COMPANY OR OPERATOR Amerada Petroleum Corporation DATE 3/29/65

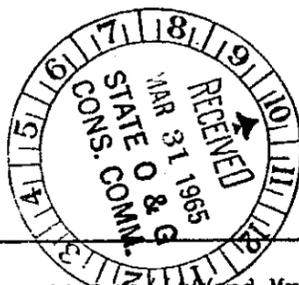
P. O. Box 1469 Durango Colorado
Address City State

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number or name of lessor, if fee lease <u>Indian - #14-20-0450-5075</u>	Well number <u>#1</u>	Elevation (ground) <u>6168' Ungraded</u>
Well location and acreage dedicated to the well (give footage from section lines) <u>SE 1/4 of NE 1/4, 1980' FNL & 660' FEL, S. 80 of NE 1/4</u>	Section—township—range or block & survey <u>Sec. 8, T-29N, R-19E</u>	
Field & reservoir (if wildcat, so state) <u>Wildcat</u>	County <u>Navajo</u>	
Distance, in miles, and direction from nearest town or post office		
Nearest distance from proposed location to property or lease line: <u>3,300 feet</u>	Distance from proposed location to nearest drilling, completed or applied—for well on the same lease: <u>None</u> feet	
Proposed depth: <u>9400'</u>	Rotary or cable tools <u>Rotary</u>	Approx. date work will start <u>4/3/65</u>
Number of acres in lease: <u>2550</u>	Number of wells on lease, including this well, completed in or drilling to this reservoir: <u>None</u>	
If lease, purchased with one or more wells drilled, from whom purchased:	Name	Address

Status and amount of bond <u>\$10,000.00 Bond Filed 10/64</u>	Organization Report On file Or attached <u>Filed 10/64</u>	Filing Fee of \$25.00 Attached <input checked="" type="checkbox"/>
--	--	---

Remarks: (If this is an application to deepen or plug back, briefly describe work to be done, giving present producing zone and expected new producing zone)



*Fill in Proposed Casing Program on reverse side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that John D. Furse and Mr. D.F. Furse are Representatives of the Amerada Petroleum 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.

Charles C. Murphy
Signature

3/29/65
Date

CONFIDENTIAL

Release Date _____

Permit Number: 310
Approval Date: 4-1-65
Approved By: John Dammister

Notice: Before sending in this form be sure that you have given all information requested. Much unnecessary correspondence will thus be avoided.
See Instruction on Reverse Side of Form

STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
Application to Drill, Deepen or Plug Back and Plat
File Two Copies

Form No. 3

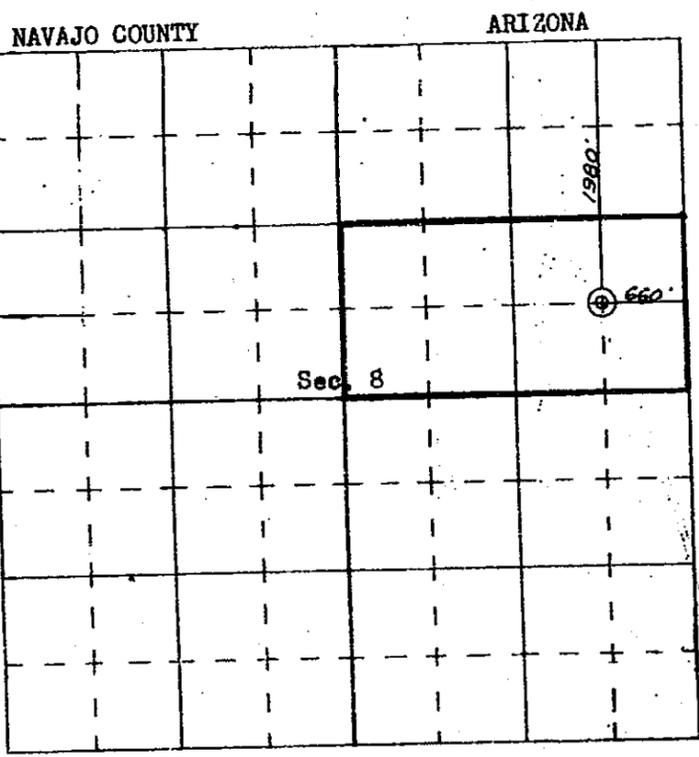
- Operator shall outline the dedicated acreage for both oil and gas wells on the plat.
- A registered professional engineer or land surveyor registered in the State of Arizona or approved by the Commission shall show on the plat the location of the well and certify this information in the space provided.
- All distances shown on the plat must be from the outer boundaries of the Section.
- Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES NO
- If the answer to question one 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 _____
- If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description
<div style="border: 1px solid black; padding: 5px;"> <p style="text-align: center;">Section 8, T-29N, R-19E</p> </div>	<p style="text-align: center;">CERTIFICATION</p> <p>I hereby certify that the information above is true and complete to the best of my knowledge and belief.</p> <p>Name <u>Richard E. Murphy</u></p> <p>Position <u>Field Clerk</u></p> <p>Company <u>Amerada Petroleum Corp.</u></p> <p>Date <u>3/29/65</u></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 <u>3/27/65</u></p> <p>Registered Professional Engineer and/or Land Surveyor</p> <p>James P. Leese</p> <p>Certificate No. <u>1849</u></p>

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
9-5/8"	32.30	H-40	0'	1000'	0' to 1000'	Sufficient to Circulate

COMPANY AMERADA PETROLEUM CORPORATION
 LEASE Hopi WELL NO. 1
 SEC. 8 T. 29 NORTH R. 19 EAST
 LOCATION 1980 FEET FROM THE NORTH LINE
660 FEET FROM THE EAST LINE
 ELEVATION 6168



SCALE—4 INCHES EQUALS 1 MILE

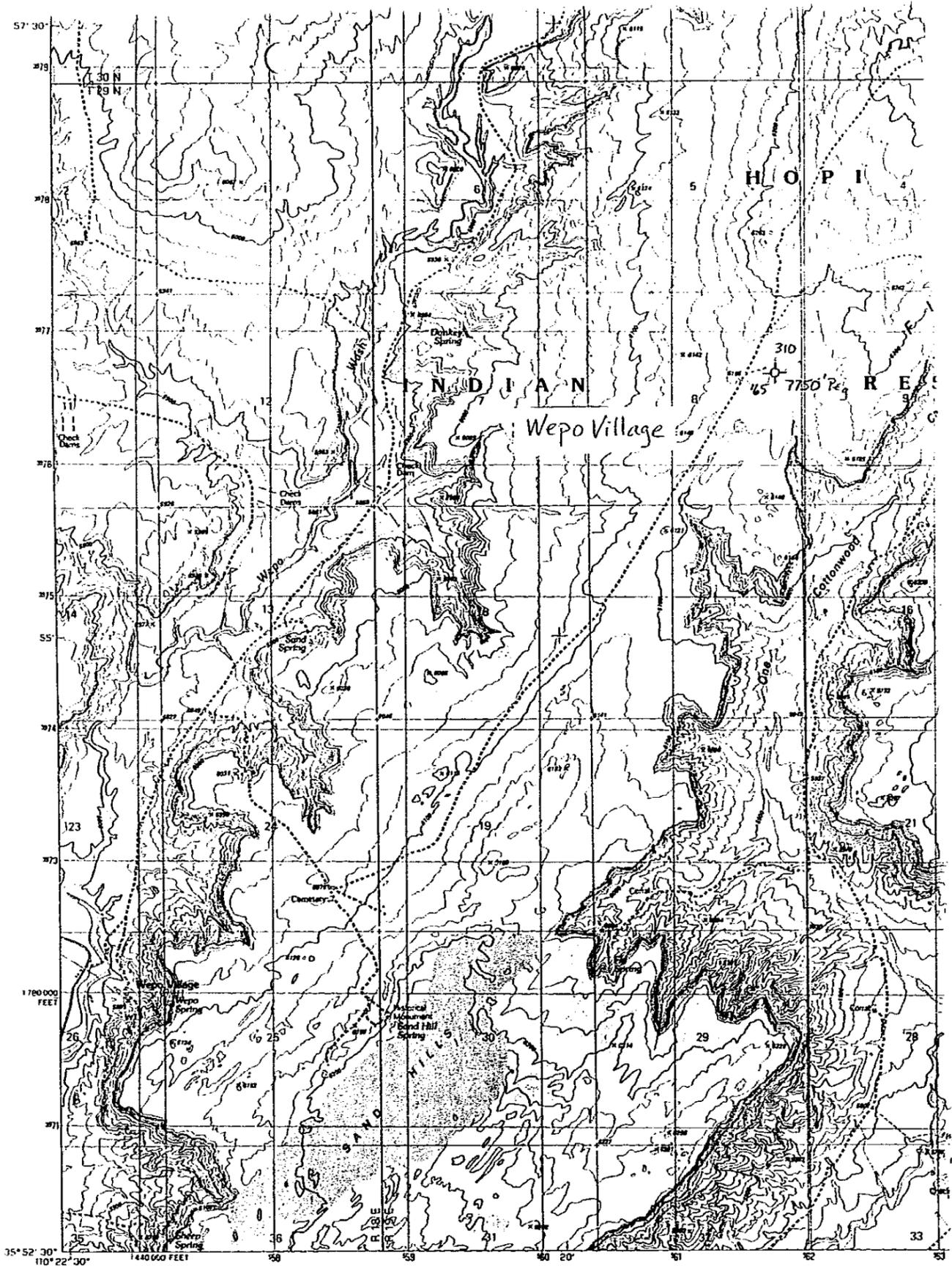
THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTE OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

John P. Love
 Registered Land Surveyor,
 Arizona Reg. No. 1849

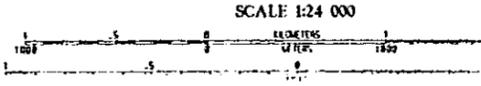
SURVEYED MARCH 27, 1965



CONFIDENTIAL SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.



PRODUCED BY THE UNITED STATES GEOLOGICAL SURVEY
 CONTROL BY U.S.G.S. 1964
 COMPILED FROM AERIAL PHOTOGRAPHS TAKEN 1964 AND 1965
 FIELD CHECKED 1966
 UNITED STATES GEOLOGICAL SURVEY
 FIELD CHECKED 1966 MAP TITLED
 PUBLISHED BY





ARCO Exploration
Production Technology
2300 West Plano Parkway
Plano TX 75075-6499

July 6, 1992

Larry D. Fellows
Director and State Geologist
Arizona Geological Survey
845 North Park Ave., #100
Tucson, Arizona 85719

*file copy in each
well file 512 file P/W 310*

Dear Mr. Fellows,

Following the agreement set forth in the Arizona Geological Survey sample policy I am forwarding (1) the results of Rock-Eval analysis Aneth Shale cuttings samples from eight wells in the Black Mesa basin and (2) vitrinite reflectance data collected for the Amerada Hopi #1 well. We waive the rights to the six month confidentiality period.

Thank you for your cooperation.

Sincerely,

Jeff Corrigan

cc: Steve Rauzi

Table 1. Rock-Eval data for Aneth Shale from sampled Black Mesa cuttings.

Sample ID	Depth Interval (ft)	TOC (weight %)	S1 (mg/g rock)	S2 (mg/g rock)	HI (mg HC/g TOC)	OI (mg CO ₂ /g TOC)
Amerada Hopi 1 (310)						
92R1477	7350-7370	0.08	0.07	0.10	125	362
92R1478	7370-7390	0.09	0.06	0.07	78	378
92R1479	7390-7410	0.07	0.04	0.01	14	514
92R1480	7410-7430	0.10	0.08	0.06	60	360
92R1481	7430-7450	0.11	0.10	0.04	36	327
92R1482	7450-7470	0.16	0.10	0.07	44	213
92R1483	7470-7490	0.13	0.06	0.02	15	246
92R1484	7490-7510	0.16	0.06	0.01	6	144
92R1485	7510-7540	0.11	0.06	0.02	18	318
92R1486	7540-7560	0.26	0.13	0.41	158	135
Cactus Navajo 8515 (325)						
92R1487	5540-5560	0.09	0.09	0.12	133	289
92R1488	5560-5580	0.04	0.11	0.03	72	563
92R1489	5580-5600	0.06	0.10	0.08	133	550
Cactus Navajo 8816 (345)						
92R1490	5540-5560	0.08	0.06	0.00	0	313
92R1491	5560-5580	0.08	0.05	0.01	13	362
92R1492	5580-5600	0.09	0.06	0.04	44	289
92R1493	5600-5620	0.07	0.05	0.02	29	429
Cactus Navajo -C2 (305)						
92R1494	4460-4480	0.08	0.06	0.04	50	425
92R1495	4480-4500	0.07	0.07	0.04	55	378
Tenneco 1 Navajo (283)						
92R1496	6870-6890	0.05	0.06	0.03	58	725
92R1497	6890-6910	0.07	0.09	0.09	123	434
92R1498	6910-6930	0.06	0.06	0.03	48	473
92R1499	6930-6950	0.08	0.06	0.04	51	464
92R1500	6950-6970	0.15	0.09	0.13	89	217
92R1501	6970-6990	0.19	0.09	0.16	85	218
92R1502	6990-7010	0.21	0.12	0.30	144	132
92R1503	7010-7030	0.32	0.17	0.64	202	88
92R1504	7030-7050	0.15	0.08	0.09	62	237
ARCO Hopi 9-1 (312)						
92R1505	6280-6300	0.11	0.14	0.18	173	323
92R1506	6300-6320	0.14	0.12	0.09	66	203
92R1507	6320-6340	0.08	0.07	0.01	12	306
92R1508	6340-6360	0.04	0.05	0.03	72	808
92R1509	6360-6380	0.13	0.08	0.01	8	220
92R1510	6380-6400	0.14	0.10	0.02	15	226
92R1511	6400-6420	0.13	0.07	0.07	56	277
92R1512	6420-6440	1.14	0.35	3.06	269	26
92R1513	6440-6460	0.31	0.15	0.59	192	115
92R1514	6460-6480	0.28	0.19	0.56	195	105
Moore, Moore & Miller (321)						
92R1515	6540-6560	0.16	0.08	0.14	90	215
92R1516	6560-6580	0.08	0.04	0.02	24	331
92R1517	6580-6600	0.08	0.06	0.04	48	380
92R1518	6600-6640	0.11	0.07	0.03	29	323
92R1519	6640-6660	0.17	0.07	0.03	18	178
92R1520	6660-6700	0.21	0.06	0.14	67	93
92R1521	6700-6710	0.21	0.09	0.42	202	98
92R1522	6710-6730	0.26	0.08	0.39	150	223
Texaco 1-A Hopi (307)						
92R1523	5650-5670	0.05	0.14	0.08	154	705
92R1524	5670-5690	0.09	0.09	0.05	53	348
92R1525	5690-5710	0.09	0.08	0.05	53	316
92R1526	5710-5730	0.13	0.15	0.09	72	237
92R1527	5730-5750	0.13	0.07	0.06	48	204

ARCO OIL + GAS. Co.
PLANO
TEXAS
U.S.A.

Fax No. 010 1 214 754 6807

VITRINITE REFLECTANCE DETERMINATIONS SERIES 92R 1462 - 1486
ATTN. CHARLIE LANDIS ✓

SAMPLE No.	R.O. RANG.	No. of READINGS	CONF.	U.V.	COMMENTS
92R1462	0.39	20	C	Y-Y/O SPORES	—
92R1463	0.43	4	C	Y SPORES	PHYT. DEGRADED
92R1464	0.43	10	C	Y SPORES	PHYT. V. DEGRADED
92R1465	N.D.P.	—	—	—	RED SILTY SST. HAEMATITE
92R1466	N.D.P.	—	—	—	RED SANDY SILT.
92R1467	N.D.P.	—	—	—	RED SILT.
92R1468	N.D.P.	—	—	—	RED MARL
92R1469	N.D.P.	—	—	—	MIXD. LIME. HAEMATITE
92R1470	N.D.P.	—	—	—	10% SST. 90% SH. HAEMATITE
92R1471	N.D.P.	N.D.P.	—	Y-Y/O CARB.	20% HAEMATITE CRYS.
92R1472	N.D.P.	—	—	—	RED SST.
92R1473	N.D.P.	—	—	—	RED SILTY SST.
92R1474	N.D.P.	—	—	Y/O CARB.	HAEMATITE
92R1475	N.D.P.	—	—	Y/O CARB.	70% HAEMATITE MARL
92R1476	N.D.P.	—	—	—	50% LST. HAEMATITE
92R1477	N.D.P.	—	—	Y/O CARB.	70% LST. + 30% RED SPHERE
92R1478	N.D.P.	—	—	Y/O CARB.	70% LST.; 30% RED SPHERE
92R1479	N.D.P.	—	—	L.O. CARB.	10% LST.; 90% RED SILTY SPHERE
92R1480	N.D.P.	—	—	Y/O CARB.	30% MARLY LST. 70% RED SPHERE

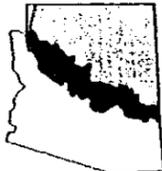
Sample No.	R.O. ANAL.	No. of READING	CONF.	U.V.	COMMENTS
92R 1481	N.D.P.	—	—	1/10-L.O. CARB.	10% ST.; 50% LST.; 40% RED SHALE
92R 1482	N.D.P.	—	—	1/10 CARB.	MARLY LST. HAEM. SPERKS
92R 1483	N.D.P.	—	—	1/10 CARB.	90% MARLY LST. 10% RED SHALE
92R 1484	N.D.P.	—	—	1/10 CARB.	MARLY LST. HAEMATITE TENDERS
92R 1485	N.D.P.	—	—	1/10 CARB.	LST. HAEMATITE TENDERS
92R 1486	N.D.P.	—	—	1/10 CARB.	SHALY LST. HAEM. TR. CLAUDDITE

SORRY. I CAN'T REALLY DO ANYTHING WITH THIS LOT. THE FIRST FEW SAMPLES ARE O.K. BUT WHEN WE GET INTO THE RED BED THE PHYTOLITHS DISAPPEAR. EVEN WHEN THE HAEMATITE DECREASES IN THE FINAL FEW SAMPLES, THE SUCCESSION IS ALMOST WHOLLY LIMESTONE WHICH IS BARELY.

ANOTHER APOLOGY FOR THE HANDWRITING BUT THE SECRETARY IS ON HOLIDAY TODAY. I WILL COMPUSERVE THE DATA, FOR WHAT IS WORTH, LATER THIS WEEK.

BEST WISHES

MICK JONES.



Fife Symington
Governor

State of Arizona
Arizona Geological Survey
845 North Park Avenue, #100
Tucson, Arizona 85719
(602) 882-4795

Larry D. Fellows
Director and State Geologist

April 29, 1992

7/2 310

Jeff Corrigan
ARCO Exploration & Production Technology
2300 West Plano Parkway
Plano, Texas 75075-8499

Re: Commission's well samples and sample policy

Dear Jeff:

We have samples from surface to total depth on the Amerada Hopi 1 well in Sec. 8, T.29N., R.19E. They are packed in six boxes. Enclosed are the Commission's sample policy and check-out form. To loan the samples, we require a written request acknowledging your adherence to the sample policy.

Also enclosed is a publication list. The well report we talked about this morning is highlighted in yellow.

Sincerely,

Steven L. Rauzi
Oil & Gas Program Administrator

Enclosures

March 7, 1974

Ms. Carolyn Pickens
Geology Department
Arizona State University
Tempe, Arizona 85281

Re: Amerado #1-Hopi 5075
SE/NE Sec 8-T29N-R19E
Navajo County
Permit #310

Dear Ms. Pickens:

Enclosed are the following logs on the above referenced well:

Borehole Comp. Sonic Log (with caliper)
Induction-Electrical Log
Gamma Ray-Neutron
American Stratigraphic Lith Log (Copyright-do not reproduce)

We would appreciate receiving these logs back at your earliest convenience.

Very truly yours,

W. E. Allen, Director
Enforcement Section

Mrs. R. L. Brandt
Secretary to W. E. Allen

/rlb

Enc.

Received 3-26-74

BOND
KNOW ALL MEN BY THESE PRESENTS

File
345659

BOND SERIAL NO.

That we: **Amerada Petroleum Corporation, P.O. Box 2040, Tulsa**

of the County of: **Tulsa** in the State of: **Oklahoma**

as principal, **Insurance Company of North America**

and **Philadelphia, Pennsylvania**

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

As surety, are held and firmly bound unto the 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 or stratigraphic purposes in and upon the following described land situated within the State, to wit:

BLANKET BOND

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

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.

Penal sum of **Ten Thousand and No/100 Dollars (\$10,000.00)**

Witness our hands and seals, this **12th** day of **October, 1964**

ATTEST:

[Signature]
Asst. Secretary

AMERADA PETROLEUM CORPORATION

By

[Signature]
A. Taylor, Vice President

Witness our hands and seals, this **14th** day of

INSURANCE COMPANY OF NORTH AMERICA

By:

[Signature]
Attorney-in-fact
Certificate of Authority Attached

(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.)

CANCELLED

Approved
Date **10-19-64**
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: *[Signature]*

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

Permit No. **997, 310**

Carbon copy to Strong 10/23/64

October 7, 1965

Amerada Petroleum Corporation
51 West 51 Street
New York, New York 10019

Attention: Mr. W.A. Morgan, Assistant Treasurer

Re: Insurance Company of North America Bond

Gentlemen:

As you are aware, the captioned bond in the amount of \$10,000 is on file with this Commission to cover bonding requirements of this Commission.

As a result of the public hearing held September 22, 1965 in Phoenix, Arizona, concerning the Rules and Regulations of this Commission, the bonding requirements have been increased to \$5,000 for a single well and to \$25,000 for a state-wide blanket bond.

As required by law, certified copy of the new Rules and Regulations was filed with the Secretary of State on October 1, 1965, and consequently the new Rules became effective on that date.

This letter is to request that at your earliest convenience you take the necessary steps to increase your state-wide bond to \$25,000. Upon receipt of your new bond your old bond of course may be released.

Your earliest cooperation will be appreciated.

Yours very truly,

John Hannister
Executive Secretary
BT

GENERAL OFFICE
BOX 2040
TULSA 2, OKLAHOMA

AMERADA PETROLEUM CORPORATION

DRAWER 601
DURANGO, COLORADO
January 28, 1966

Mr. J. R. Scurlock
1624 West Adams
Phoenix, Arizona

Dear Jim:

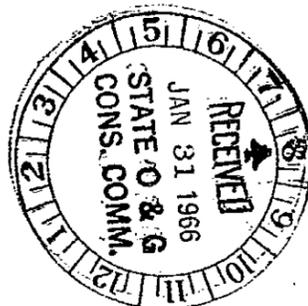
Regarding your letter of January 11, 1966, we have not as yet released the samples on our No. 1 Hopi well. However, the samples will be made available to you at any time.

I'm sorry that I haven't made it down to see you, but the District I cover for Amerada includes all of Utah and Nevada plus the Four Corners area, and both Nevada and Utah have been very active. At any rate, I will make it down sometime, even if I have to take my vacation and come.

Very truly yours,


Dayle R. Rushing

DER: jjh



January 11, 1966

Mr. Dayle Rushing
Amerada Petroleum Corporation
P.O. Box 601
Durango, Colorado

Re: Amerada #1 Hopi well
SE NE 8-29N-19E, Navajo County, Arizona
Permit 310

Dear Dayle:

I wonder if you would be so kind as to find out as to whether the Amerada #1 Hopi samples were ever delivered to Four Corners Sample Cut?

As you know, our Rules and Regulations require that samples be released to this Commission six months after the well is completed.

Kindest regards.

Very truly yours,

J.R. Scurlock
Petroleum Geologist
nr

November 22, 1965

Amerada Petroleum Corporation
P.O. Box 2040
Tulsa 2, Oklahoma

Attention: Mr. R.M. Patterson

Re: Insurance Company of North America Bond 345659

Amerada Petroleum Corp. #1 Navajo well
SE/4SE/4 7-39N-24E, Apache County, Arizona
File 297

Amerada #1 Hop2 5075 well
SE/4NE/4 8-29N-19E, Navajo County, Arizona
File 310

Gentlemen:

Receipt of your letter of November 16, 1965 is acknowledged.

Inasmuch as captioned wells drilled under captioned bond have been completed in accordance with our Rules and Regulations and all required data has been filed with this Commission, this letter will constitute authority from this Commission to terminate captioned bond.

Your cooperation is very much appreciated.

Very truly yours,

John Bannister
Executive Secretary
nr

cc: Insurance Company of North America
Philadelphia, Pennsylvania

June 3, 1965

Amerada Petroleum Corporation
P. O. Box 1469
Durango, Colorado

Attention: Mr. Dan F. Furse

Re: Amerada #1 Hopi 5075 well
SE/4 NE/4 8-T29N-R19E, Navajo County, Arizona
Permit 310

Gentlemen:

Enclosed is proved copy of application to abandon and
plug captioned well.

All the information will be kept confidential until
November 14, 1965.

Yours very truly,

John Bannister
Executive Secretary

Enclosure
cb



UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF INDIAN AFFAIRS
Hopi Indian Agency
Keams Canyon, Arizona 86034

IN REPLY REFER TO:

Land Operations

May 28, 1965

Mr. John Bannister
Oil and Gas Conservation Commission
Room 202
1624 West Adams
Phoenix, Arizona

Dear Mr. Bannister:

This has reference to Amerada's Hopi #1 and Hopi Lease Water Well #1 situated at Center of SE 1/4, NE 1/4, 1980' FNL, 660' FEL, Section 8, T-29N, R-19E, Navajo County, Arizona.

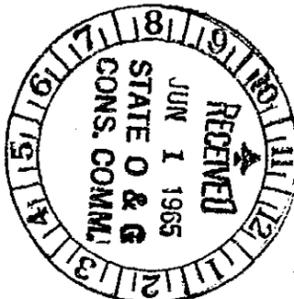
Both of these wells have been capped and turned over to the Hopi Tribe for possible future development as water wells.

Amerada Petroleum Corporation has relinquished these wells and their interest in them.

Sincerely yours,

Clyde W. Pensoneau
Clyde W. Pensoneau
Superintendent

*OK as acceptance
letter*



#310

C
O
P
Y

May 28, 1965

Mr. H.A. Rankin
District Services Manager
Gulf Oil Corporation of California
P.O. Drawer 1938
Roswell, New Mexico 88201

Dear Mr. Rankin:

This will acknowledge the receipt of your letter of May 25, 1965 requesting copies of the well completion reports on the Hopi wells drilled by Amerada Petroleum, Skelly Oil, and Texaco Inc.

Please be advised to date completion reports have not been filed with this Commission.

As you are aware, the State of Arizona has a six months period in which information will remain confidential if so requested by the operator. Each of these wells has been classified as confidential.

At such time as this information may be released we will honor your request.

Yours very truly,

John Bannister
Executive Secretary

310

May 14, 1965

Amerada Petroleum Corporation
P.O. Box 1469
Durango, Colorado

Attention: Mr. Dan F. Furse

Re: Amerado #1 Hopi 5075 well
SE/4NE/4 S8-T29N-R19E, Navajo County, Arizona
Permit 310

Gentlemen:

We were very disappointed too in the outcome of the drilling of this well.

We are enclosing the necessary forms to complete the information needed for our files. All information you furnish us, of course, will be kept extremely confidential.

Yours very truly,

John Bannister
Executive Secretary
r/wr
enc

May 13, 1965 8:55 a.m.

Dan ^{Furze} ~~Furze~~, Amerada Petroleum

Poured rain last night....Slumberger got stuck in mud and had to be pulled out, so logging was slowed down. Will finish logging about 5:00 p.m. today.

Phil McGrath, USGS Farmington, and John Anderson, USGS Roswell, both on the scene.

Everyone will rush to Farmington with the logs to go over them.

Any chance of anyone coming up? If it's early next week, might call Mr. Fuhrs, there in Durango, and he'll meet with ~~xxx~~ you.

Hopis have been real nice people...attitude, cooperation, everything about them has been wonderful.

File
310

April 2, 1965

Amerada Petroleum Corporation
P.O. Box 1469
Durango, Colorado

Attention: Mr. C.C. Murphy

Re: Amerada #1 Hopi 5075 well
SE/4NE/4 S8-T29N-R19E, Navajo County, Arizona
Permit 310

Gentlemen:

Enclosed are approved copy of Application for Permit to
Drill captioned well and receipt 9409 for the filing fee.

We are very much interested in this new area for explora-
tion. For your convenience in keeping us informed periodi-
cally, we are enclosing a supply of Form 25, Sundry Notice
and Reports on Wells. We will of course keep all informa-
tion furnished us confidential.

If we may be of assistance to you at any time, please con-
tact us.

Yours very truly,

John Bannister
Executive Secretary

nr
enc

DON'T TELL IT - WRITE IT
MEMO

To Oil & Gas Conservation Commission 3/30/ 19 65

Subject Please find attached. Filing Fee, Plat and Application For Permit To Drill the
Hopi #1. This well is beening drilled tight, so please hold all information confidential.

I have run out of Form No. 3 (Application For Permit To Drill), would you please
send me some copies.

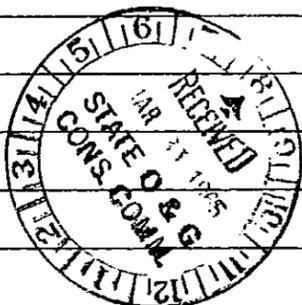
Mr. C. G. Murphy

Amerada Petroleum Corporation

P. O. Box 1469

Durango, Colorado

CONFIDENTIAL



Release Date _____
Referred to _____

C. G. Murphy
Signature

Return to _____ or File _____