

Pyramid Oil Co. Federal No. 1
NE/SE Sec. 28, T41N, R9W
Nehave County

676

COUNTY Mohave AREA Short Creek LEASE NO. Fed. A-7742

WELL NAME L Federal Pyramid Oil Company

LOCATION ^{HW} NE/SE/4 SEC 28 TWP 41N RANGE 9W FOOTAGE 1320-FEL, 1420 FSL ^(changed 10/18/77)

ELEV 4735 GR 4743 KB SPUD DATE 10-25-77 STATUS P-2 TOTAL DEPTH 4145 COMP. DATE 6-30-81

CONTRACTOR Barney Harless DBA Rudy Johnson St. George Utah Tolyabe Oil Co. - per sample

CASING SIZE 8 7/8" DEPTH 456 CEMENT 175 SFS DRILLED BY ROTARY X
DRILLED BY CABLE TOOL _____

FORMATION _____ DEPTH _____ RESERVOIR _____
PRODUCTION _____

FORMATION TOPS	DEP	FORMATION	DEPTH
		PERMIAN	
		Kaibab limestone	200'
		Toroweap formation	620'
		Coonino sandstone	1051'
		Hermit shale	1114'
		Quasnowap formation	1855'
		Pakoon formation	2228'
		PENNSYLVANIAN	
		Upper Cellville ls	2510'
		Supai tongue	2740'
		Lower Cellville ls.	2860'
		MISSISSIPPIAN	
		Redwall limestone	3324'
		DEVONIAN	
		Martin formation	3790'

ELECTRIC LOGS
Mud log, base log,
Comp. Density, T-E,
SPIC

SAMPLE LOG _____
SAMPLE DESCRP. _____
SAMPLE NO. 1786
CORE ANALYSIS _____
DSTs _____

REMARKS A 60 day extension was
verbally granted on July 25, 1977.
W.P. OIL - TPA

Geol. Report in file
APP. TO PLUG _____
PLUGGING REP. _____
COMP. REPORT _____

WATER WELL ACCEPTED BY _____

BOND CO. The Aetna Casualty & Surety Co. BOND NO. 59 S 8035 BCA
DATE 3-28-77
BOND AMT. \$ 5,000 CANCELLED X 5-27-80 ORGANIZATION REPORT 3-28-77
FILING RECEIPT 860 LOC. PLAT X WELL BOOK X PLAT BOOK X
API NO. 02-015-200-03 DATE ISSUED 3-28-77 DEDICATION N/2 SE/4

PERMIT NUMBER 676

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 PYRAMID OIL COMPANY		Address P.O. BOX 3225 SANTA FE SPRING, CA 90670	
Federal, State or Indian Lease Number or name of lessor if fee lease A 7742		Well Number FED. NO. 1	Field & Reservoir WILDCAT
Location SEC. 28, T. 41 N., R. 9 W., G. 5 R. M.		County MOJAVE	
Sec TWP-Range or Block & Survey		RECEIVED SEP 14 1981 O & G CONS. COMM.	

Date spudded 10-25-77	Date total depth reached 12-12-77	Date completed, ready to produce DRY	Elevation (DF, RKB, RT or Gr.) feet	Elevation of casing hd. flange feet
Total depth 4145'	P.B.T.D.	Single, dual or triple completion?	If this is a dual or triple completion, furnish separate report for each completion.	
Producing interval (s) for this completion DRY		Rotary tools used (interval) 0 - 4145'	Cable tools used (interval) 0	
Was this well directionally drilled? NO	Was directional survey made?	Was copy of directional survey filed?	Date filed	
Type of electrical or other logs run (check logs filed with the commission) E-LOG & SONIC			Date filed ' 77	

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 1/2"	8 3/4"	24"	466'	175	0
INTERMEDIATE	9 1/2"	6 3/4"	26"	3830'	0	3123'

TUBING RECORD NONE				LINER RECORD NONE			
Size in.	Depth set ft.	Packer set at ft.	Size in.	Top ft.	Bottom ft.	Sacks cement	Screen (ft.)

PERFORATION RECORD			ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD	
Number per ft.	Size & type	Depth Interval	Am't. & kind of material used	Depth Interval
NONE			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	Hrs. tested	Choke size	Oil prod. during test bbls.	Gas prod. during test MCF	Water prod. during test bbls.	Oil gravity ° API (Corr)
Tubing pressure	Casing pressure	Cal'ed rate of Production per 24 hrs.	Oil bbls.	Gas MCF	Water bbls.	Gas-oil ratio

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 VICE-PRESIDENT of the PYRAMID OIL COMPANY (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: SEPT. 11, 1981 Signature: Charles J. Walker

File No: **676**

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*
<p><i>NOTE: YOU MAY HAVE THIS - IF NOT WRITE OR CALL ROBERT E. LAUTH GEOLOGIST P.O. BOX 776 DURANGO, COLO. 81301 303-247-0025</i></p>			

* 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 Recemption report and well log shall be filed with the State of Arizona Oil & Gas Conservation Commission not later than thirty days after project completion.

Form No. 4

RECORDED
INDEXED

PLUGGING RECORD

Operator PYRAMID OIL COMPANY		Address P.O. BOX 3225 SANTA FE SPRINGS CA 90670		
Federal, State, or Indian Lease Number, or lessor's name if fee lease. A 7742		Well No. FED. NO. 1	Field & Reservoir WILDCAT	
Location of Well SEC. 28, 41 N., 9 W. GSRM		1420	1820	Sec-Twp-Rge or Block & Survey FROM THE SE COR
Application to drill this well was filed in name of PYRAMID OIL COMPANY		Has this well ever produced oil or gas NO	Character of well at completion (initial production): Oil (bbls/day) Gas (MCF/day) Dry? YES	
Date plugged: MAY 29, 1981	Total depth 4155'	Amount well producing when plugged: Oil (bbls/day) Gas (MCF/day) Water (bbls/day)		
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	
			PLUGGING DATA ATTACHED	

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
8 5/8"	466	0	466		SHOE 1'
6 5/8"	3830	3123	707	SHOT	SHOE 1'

RECEIVED
JUL 2 1981
O & G CONS. COMM.

Was well filled with mud-laden fluid, according to regulations?
YES

Indicate deepest formation containing fresh water.

NAMES AND ADDRESSES OF ADJACENT LEASE OPERATORS OR OWNERS OF THE SURFACE

Name	Address	Direction from this well:

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 2 **VICE - PRESIDENT** of the **PYRAMID OIL COMPANY** (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 **JUNE 30, 1981**

Signature *Chuck V. Martin*

Permit No. <u>676</u>	STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Plugging Record File One Copy
	Form No. 10

APPLICATION TO ABANDON AND PLUG

RECEIVED

JUL 2 1981

O & G CONS. COMM.

FIELD WILDCAT
 OPERATOR PYRAMID OIL COMPANY ADDRESS P.O. BOX 3225 SANTA FE SPRINGS, CA 90670
 Federal, State, or Indian Lease Number or Lessor's Name if Fee Lease A 7742 WELL NO. FEDERAL NO. 1
 LOCATION SEC. 28, 41N., 9W., G.S.R.M. 1420 1423-40' N. AND 1820 1320-00' W. FROM THESE COR.
 collected - see 11-7-77

TYPE OF WELL DRY HOLE (Oil, Gas or Dry Hole) TOTAL DEPTH 4155'
 ALLOWABLE (If Assigned) _____
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____
 PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD.

8 5/8" 24" K55 - 466' CEM. w/ 175 SACKS
 6 5/8" 26" J55 - 0-3830'

FISH LEFT IN HOLE. 8 - DRILL COLLARS 245'
 3 1/2" DRILL PIPE 728.65'
 TOP OF FISH 3150' ±

2. FULL DETAILS OF PROPOSED PLAN OF WORK.

LOCATE TOP OF FISH AND ATTEMPT TO PULL.
 IF NOT SUCCESSFUL PUT IN 200' PLUG AT
 TOP OF FISH. 6 5/8" CASING TO BE FREEPOINTED,
 SHOT AND PULLED. CEMENT PLUG TO CROSS STUB
 AND FILL AT LEAST 100' IN 6 5/8". FILL HOLE
 WITH MUD. PLACE 200' PLUG AT SHOE OF 8 5/8"
 FILL WITH CEMENT AND WELD STEEL PLATE AND
 MARKER ON TOP OF PLUG. 8 5/8". CLEAN LOCATION.

DATE COMMENCING OPERATIONS MAY 2, 1981 (CONFIRMING TELEPHONE APPROVAL)
 NAME OF PERSON DOING WORK J. I. HATHAWAY ADDRESS PYRAMID OIL COMPANY
 Signature Chuck J. Hathaway
 Title VICE-PRESIDENT
 Address P.O. BOX 3225 SANTA FE SPRINGS, CA. 90670
 Date JUNE 30, 1981

Date Approved 7-2-81
 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. 676

COMPLETION REPORT
PYRAMID OIL COMPANY.
NO. A-1 FEDERAL
N/2 SE/4 SECTION 20-T41N, R9W
MOHAVE COUNTY, ARIZONA

"ROCK CREEK STRUCTURE"

Robert E. Lauth
Geologist AFOS 1366
P. O. Box 776
Durango, Colorado
81301
303-247-0825

*Lauth
Durango
676*

ROBERT E. LAUTE
GEOLOGIST
POST OFFICE BOX 776
900 EAST SECOND AVENUE
DURANGO, COLORADO 81301
Telephone (303) 247-0025

W E L L S U M M A R Y

OPERATOR: Pyramid Oil Company
LEASE & WELL NO. No. A-1 Federal
N/2 SE/4 Section 28-41N-9W Mohave County,
Arizona (1423' FSL, ¹⁴²⁰1820' FEL)
ELEVATION: 4735' Ground; 4743' Rotary Bushing (All
measurements are from Rotary Bushing)
SPUD DATE: October 25, 1977
CEASED DRILLING: December 12, 1977
COMPLETION: Pending; Temporarily Abandoned
TOTAL DEPTH: 4150 feet, Driller
CONTRACTOR: Toiyabe Oil Company (Barney Harless)
Tonapah, Nevada
HOLE SIZE: 12 1/4" to 125'; 11" from 125' to 466'
7 7/8" from 466' to 3770'; 5 5/8" from
3770 to 4150'
SURFACE CASING: 8 5/8" at 456' with 175 sx regular cement
MUD PROGRAM: Air & Air Mist; Surface to 2127'
Fresh water gel mud: 2127' to 2428'
Air Mist & Foam: 2428' to 3230'
Fresh water gel mud: 3230' to 3770'
Air Mist: 3770' to 4150'
Generalized Mud Characteristics were as
follows:

Weight: 8.3 to 9.4 lbs per gallon
Viscosity: 45 to 50 cps
Water Loss: 15.0 ml and above
Wall Cake: 2/32" and above

LOSS: Go International: Gamma-Induction: 460' - 3768'
Detail: 450' - 3768'
Borehole Compensated Sonic
Log & Gamma Ray with caliper
Detail: 468' - 3758'
Compensated Density Log:
Detail: 459' - 3768'
Compensated Density Neutron Log
Detail: 459' - 3768'
Laser Log: Detail: 466' - 3762'

CORES: None taken
DRILL STEM TESTS: None taken
SAMPLE QUALITY: Fair overall
10' Samples: Surface to 4150'

SAMPLE DISPOSITION: One set to: Arizona State Oil & Gas Conservation
Commission
8686 N. Central #106
Phoenix, Arizona 85020
One set to: Arizona Bureau of Mines
University of Arizona
Tucson, Arizona 85711

SAMPLE LOG: Western Well Logging Service: 25' to 4150 feet

BIT RECORD:

No.	Size	Make	Type	From	To	Footage	Hours
1.	12 1/4"	Hughes	3J	0'	118'	118'	38 hours
2.	12 1/4"	Hughes	3J	118'	125'	7'	6 1/2 hours
3.	11"	Reed	S86	125'	466'	341'	51 hours
4.	7 7/8"	Hughes	J-33	466'	1792'	1326'	75 1/4 hours
5.	7 7/8"	Hughes	J-33	1792'	2428'	636'	61 hours
6.	7 7/8"	Hughes	J-44	2428'	2428'	0'	Dropped bit when twisted off
7.	7 7/8"	Hughes	J-44	2428'	3230'	802'	70 1/4 hours
8.	7 7/8"	Hughes	J-44	3230'	3386'	156'	30 1/2 hours
9.	7 7/8"	Hughes	J-44	3386'	3770'	384'	54 1/2 hours
10.	5 5/8"	Smith	F-4	3770'	4150'	380'	38 1/2 hours

The total time from spud date to completion was 46 days. A total of ten (10) bits, with one (1) ruined when dropped, was used to drill the hole. Average footage per bit was 461 feet.

Cumulative rotating hours were 426 hours for the average feet penetrated of 9.7 feet per hour.

DRILLING TIME:

No Geograph or Time recorder was used on this rig. Drilling time using a stop watch & 5-foot stick was kept from 2410 to 2425' and 2520 to 4140'. This is plotted on the Sample Log in 5-foot increments

GAS LOGGER:

2405' - 2425'; 2480' - 2495'; 3205 - 4150'

SAMPLE RESISTIVITY:

20' to 4150' in 10-foot increments

FORMATION DATA:
ELEVATION:

No. A-¹ Federal
4743' RB

<u>Formation</u>	<u>Depth</u>	<u>Elevation</u>	<u>Thickness</u>	<u>Structural Relationship*</u>
PERMIAN				
Kaibab limestone	200'	(+)4543	420'	250' low
Toroweap formation	620'	(+)4123	441'	264' low
Escanino sandstone	1061'	(+)3682	53'	286' low
Hermit shale	1114'	(+)3629	741'	278' low
Quasentoweap formation	1855'	(+)2888	373'	241' low
Pakoon formation	2228'	(+)2515	282'	301' low
PENNSYLVANIAN				
Upper Gellville ls	2510'	(+)2233	230'	273' low
Supai tongue	2740'	(+)2003	120'	269' low
Lower Gellville ls.	2860'	(+)1883	464'	252' low
MISSISSIPPIAN				
Redwall limestone	3324'	(+)1419	466'	307' low
DEVONIAN				
Martin formation	3790'	(+)953	—	315' low

*Reference Well: Pyramid Oil Co. No. A-2 Federal
Elev. 4958' RB
Four and one-half (4½) miles southwest
SW/4 Sec. 18 T40N R9W
Mohave County, Arizona

NOTE:

Since the No. A-1 Federal well was drilled, the top of the Pakoon and Upper Callville formations on the No. A-2 Federal (18-40N-9W) have been changed to conform to the lithology, water resistivities etc. shown by the samples and the mechanical logs.

The Pakoon formation top is still a difficult top to pick with certainty because of the rapid facies change in this area. It is very possible the shows of hydrocarbon in the No. A-1 Federal well from 2128' to 2510' could be in the lower part of the Queantowsep formation or even in the upper part of the Callville formation. In any event, the zone of interest in the No. A-1 Federal well (2128 to 2510) is different from the formational beds above or below.

Corrected top of Pakoon (No. A-2 Federal) is 2142 feet.

Corrected top of the Callville formation (No. A-2 Federal) is 2452 feet.

CONDENSED WELL DRILLING HISTORY:

- 10-27-77 Spud Noon Toiyabe Oil Company's Rig No. 1 out of Tonopah, Nevada; Garney Harless, Owner. 12 1/4" hole; water at 90' changed over to 11" hole at 125 feet.
- 10-30-77 Drilled to 465 feet: Set 456' of 8 5/8" casing, cemented with 175 sx regular cement.
- 11-2-77 Drilling 1369' at 9 AM with 7 7/8" bit. Slight show oil in Coconino ss at 1100' and 1165'. Drilling with air.
- 11-4-77 Drilling 1900 feet with air-mist; water at 1850'.
- 11-5-77 Water increase at 2050'; present depth 2127', mudding up. Reported gas odor at 2100'. Water level @ 2127', was 1100'.
- 11-6-77 Stuck Drill Pipe when converted to mud; spotted 30 bbls diesel, freed the drill pipe, drilling ahead with mud.
- 11-7-77 Lost circulation 2140' and 2383' - From 2383' to 2405' lost estimated 900 bbls mud. Gas odor at 2322'.
- 11-9-77 Reamed hole of cavings etc. to 2428', twisted off at top of collars. Spotted 70 bbls diesel to try and free fish. Gas on Mud Logger 2405' - 2425' -50' units.
- 11-10 to 11-18-77 Fishing for collars: Prep to blow mud out of hole.
- 11-19-77 Recovered fish: Drilling ahead with Air-Mist.
- 11-20-77 Drilling 2519 at 8 AM with air-foam. Show oil 2480 - 2510 feet in a sandstone; brownish-black oil stain, dull yellow fluorescence. 25 Gas Units on Mud Logger 2480 - 2495'.
- 11-21-77 Drilling 2775' at 8 AM with Air-Foam.
- 11-22-77 Drilling 3121' at 8 AM: At 3230', too much water for compressors, converted to mud.

11-24-77 Drilling 3322' @ AM with mud.

11-26-77 Drilling 3576' @ AM with mud. Lost circulation at 3620',
lost 260 bbls mud.

11-27-77 Lost circulation at 3770', lost estimated 1200 bbls mud.

11-28-77 Regained circulation, still losing mud at the rate of 1 bbl
per minute while circulating. Called out Go International
to log hole.

11-29-77 Running logs.

11-30-77 Drilling ahead w/mud.

12-1-77 Present depth 3830'; lost circulation; 750 bbls mud.

12-5-77 Total lost circulation in excess 1100 bbls. Ran 3830 feet
of 6 5/8" casing, set on bottom w/no cement.

12-6-77 Lost returns while cleaning out cased hole; Drilled to
3865' with no returns.

12-8-77 Changed over to Air-Mist.

12-9-77 Staged in to clear mud out of hole. Brown fluid on pits
after blowing down hole. Brown material would not
fluoresce.

12-11-77 Drilling 4000' at 8 AM with Air-Mist; Abundant water,
est 20 gals per minute.

12-12-77 Twisted off; left collars and 25 joints drill pipe in
hole at 4150' - 250' collars & 750' drill pipe in hole.

12-13-77 Moved off rig and temporarily abandoned the hole until
Spring.

DISCUSSION & SUMMARY:

The Pyramid Oil Company No. A-1 Federal well was drilled primarily to test the Permian-Pakoon formation, the Pennsylvanian-Callville formation and the Mississippian-Devonian sections in an area of very few previous drillings. It was a farmout to Pyramid Oil Company from Whitestone Corporation of Denver, Colorado with L. O. Ward of Enid, Oklahoma acquiring an interest in the block. The A-1 Federal well is located on the Rock Creek Structure, a long sinuous anticlinal feature that trends north-northwest. It is the middle structural trend lying west of the Antelope Structure and east of the Hurricane Structure all of which are located just east of the large Hurricane Fault.

After drilling the Pyramid No. A-1 Federal well the following facts and observations can be made:

- 1.) The Pakoon formation, 2228' to 2510' (282 feet), is a fine to very fine-grained sandstone with beds of dolomitic and anhydritic shales and sandy dolomites. The following hydrocarbon shows were reported in the Pakoon formation during the drilling operations on this well:
 - a.) Hydrocarbon gas odors were reported by the drilling crew while drilling with air at 2100 feet.
 - b.) Hydrocarbon gas odor was reported by the operator at 2322 feet.
 - c.) 50 Gas Units were recorded by the Mud Logger from 2405 to 2425 feet. The Gas Logger was put on the hole at 2400 feet.

d.) Shows of oil in the sample cuttings were recorded from 2480' to 2510 feet. 25 Gas Units were noted on the gas logger from 2480' to 2495 feet.

In analyzing all the logs and data on the hole, the significant interval that warrants further testing is between 2228' to 2510 feet. Porosity determinations in the intervals 2228' - 2248'; 2264' - 2274' and 2306' - 2322' had porosities of 20%, 16% and 26% respectively. The lower interval from 2406' to 2498' showed porosities ranging from 11 to 14%. These zones were 2406' - 2424'; 2428' - 2432'; 2436' - 2444'; 2452' - 2454'; and 2494' to 2498'

These zones need additional testing in order to fully evaluate the hydrocarbon shows in a virgin untested area.

2.) The Callville formation (2510 to 3324') is composed of white to cream to tan dolomite intercalated with minor anhydrite streaks and fillings in the upper portion. The Supai redbed tongue separates the upper and lower Callville and is also inter-fingered into the lower Callville. Quantities of fresh water was encountered in the sandy portions of the inter-fingering Supai. The lower Callville is mostly a dense limestone with streaks of dolomite. No hydrocarbon shows were noted in this formation.

3.) The Mississippian Redwall occurred from 3324' to 3798'. It is a dense to crystalline white to cream colored limestone with fossils and chert inclusions. There are minor dolomite streaks within this massive limestone sequence.

Fracture, vugular and intercrystalline porosity are present. Only very minor dead oil shows were observed in the sample cuttings. No gas shows were recorded on the gas logging equipment.

- 4.) The Devonian, Martin formation (3750 ---) is an interbedded sequence of tan gnarly dolomite, tan limestone and very minor pastel colored shales. Very minor hydrocarbon shows and gilsonite(?) were noted in the sample cuttings. No gas shows were recorded on the gas logging equipment. The zone which was of interest in the No. A-2 Federal well (4034' - 4127') was barely penetrated in this hole. Correlations indicate the zone would occur from 4135' to 4228'. This zone was not tested adequately before the drill pipe was twisted off and the hole temporarily abandoned. ?

CONCLUSIONS:

The hydrocarbon shows in the Pakoon(?) formation definitely should be tested and evaluated further. These shows were recorded in a formation that exhibits rapid facies changes, a condition very conducive to oil accumulation. Sample resistivities indicate the formation waters are more saline in this formation than the waters above or below. Hydrocarbon shows were recorded in the Pakoon interval. Further, the test well is structurally well located in a large untested area.

Robert E. Lauth

Robert E. Lauth
Certified Professional Geologist
APGS No. 1366; AAPG No. 707

Dated: January 9, 1978
Durango, Colorado

May 2, 1981 Rig up on Federal #1
3 Pulled rods and started tubing
4 Pulled balance of tubing
5 Finished Rigging up
6 Installed stripper head & ran 5½ Servco Pilot Mill on 3½ Dp
7 100 Jts drill pipe - hit bottom 3130' - Drill pipe 10' Kelley
Top of fish 3140' = Milled 2' and broke pilot mill off
13 Milled on fish - Made 2'
14 Pulled mill - Blowing water
15 Blowing water - 20 Bbls per hr.
16 Blowing Water
17 Milled 3' - Blowing water
18 Finished Milling - Top of 3½ Dp 3156'
19 Pulled out - Picked up 6 5/8 120M# -11' stretch
20 Ran 50 stands 3½" Dp to 3130' pumped in 50 Sks cement at 3130'
21 Top of Plug 3125' - Freepoint 6 5/8" at 3123'
22 Lay Down 77 Jts - 6 5/8" 26# casing - 15 Jts bad
23 Ran Dp to 3100' - Pumped in 60 sks Ideal Cement
26 Ran in to locate plug. Set 20M Lbs on Plug at 2928' (top)
Total cement 110 sacks - 3157' to 2928'
27 Mixed 60 sacks gel - 130 Bbls, Did not fill hole
28 Mixed 30 sacks gel - 60 Bbls, filled hole
29 Ran 3½ Dp to 560' - Mixed and pumped in 80 sacks cement - Displaced with
2½ Bbls water. Full circulation throughout cementing. Top of Plug 310'.
Pulled 3½ Dp an left 90' in hole. Mixed 30 sacks cement. Cement returned
to surface. All cementing operations witnessed by U.S.G.S. Engineer from
Bakersfield. Cement at top dropped 3" in 3 Hrs. Put in 2 sacks cement
filled to surface. Welded steel plate on top of marker.

RECEIVED

AMENDED APPLICATION FOR PERMIT TO DRILL OR RE-ENTER

NOV 7 1977

APPLICATION TO DRILL

RE-ENTER OLD WELL

O & G CONS. COMM.

PYRAMID OIL COMPANY

NAME OF COMPANY OR OPERATOR

P.O. BOX 3225

SANTA FE SPRINGS

CALIF. 90670

Address

City

State

COMPANY RIG

Drilling Contractor

SAME

Address

DESCRIPTION OF WELL AND LEASE

Federal, State or Indian Lease Number, or if fee lease, name of lessor

A-7742

Well number

FEDERAL NO. 1

Elevation (ground)

4735

Nearest distance from proposed location to property or lease line:

1320 feet

Distance from proposed location to nearest drilling completed or applied—for well on the same lease:

0 feet

Number of acres in lease:

2560

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

0

If lease, purchased with one or more wells drilled, from whom purchased:

Name

Address

Well location (give footage from section lines)

1820' F/E LINE & 1420 N/S LINE

Section—township—range or block and survey

SEC. 22, 41N., 9W., GSRM

Dedication (Comply with Rule 105)

Field and reservoir (If wildcat, so state)

WILDCAT

County

MOHAVE

Distance, in miles, and direction from nearest town or post office:

25

Proposed depth:

4500'

Rotary or cable tools

ROTARY

Approx. date work will start

10/25/77

Bond Status

5958035

Organization Report

Filing Fee of \$25.00

Amount

5000

On file

Or attached

Attached

PAID

Remarks:

THIS IS TO CORRECT LOCATION OF WELL FROM 1320' FROM E. LINE TO 1820' FROM E. LINE.

PERMIT NO. 676

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the VICE-PRESIDENT of the

PYRAMID OIL COMPANY

(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 herein are true, correct and complete to the best of my knowledge.

Signature

Charles V. Martin

Date

NOV. 3, 1977

Permit Number: 676

Approval Date: 3-28-77

Approved By: [Signature]

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

Form No. 3

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Application to Drill or Re-enter

File Two Copies

- 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 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 _____
- If the answer to question four is "no," list all the owners and their respective interests below:

Owner	Land Description
<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>Charles V. Martin</i></p> <p>Name <u>VICE-PRESIDENT</u></p> <p>Position <u>PYRAMID OIL COMPANY</u></p> <p>Company <u>NOV. 3, 1977</u></p> <p>Date</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>	
Date Surveyed _____	
Registered Professional Engineer and/or Land Surveyor _____	
Certificate No. _____	

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
8 5/8"	24"	K55	0	450		175
7"	20"	K55	0	4500'		-



PERMIT TO DRILL

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

To: PYRAMID OIL COMPANY
(OPERATOR)

to drill a well to be known as

Federal No. 1
(WELL NAME)

located ^{changed to 1830 10-1877}
1320 FBL and 1423 FSL (NE/SE)

Section 28 Township 41N Range 9W Mohave County, Arizona.

The N/2 of SE/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 28th day of March, 1977.

OIL AND GAS CONSERVATION COMMISSION

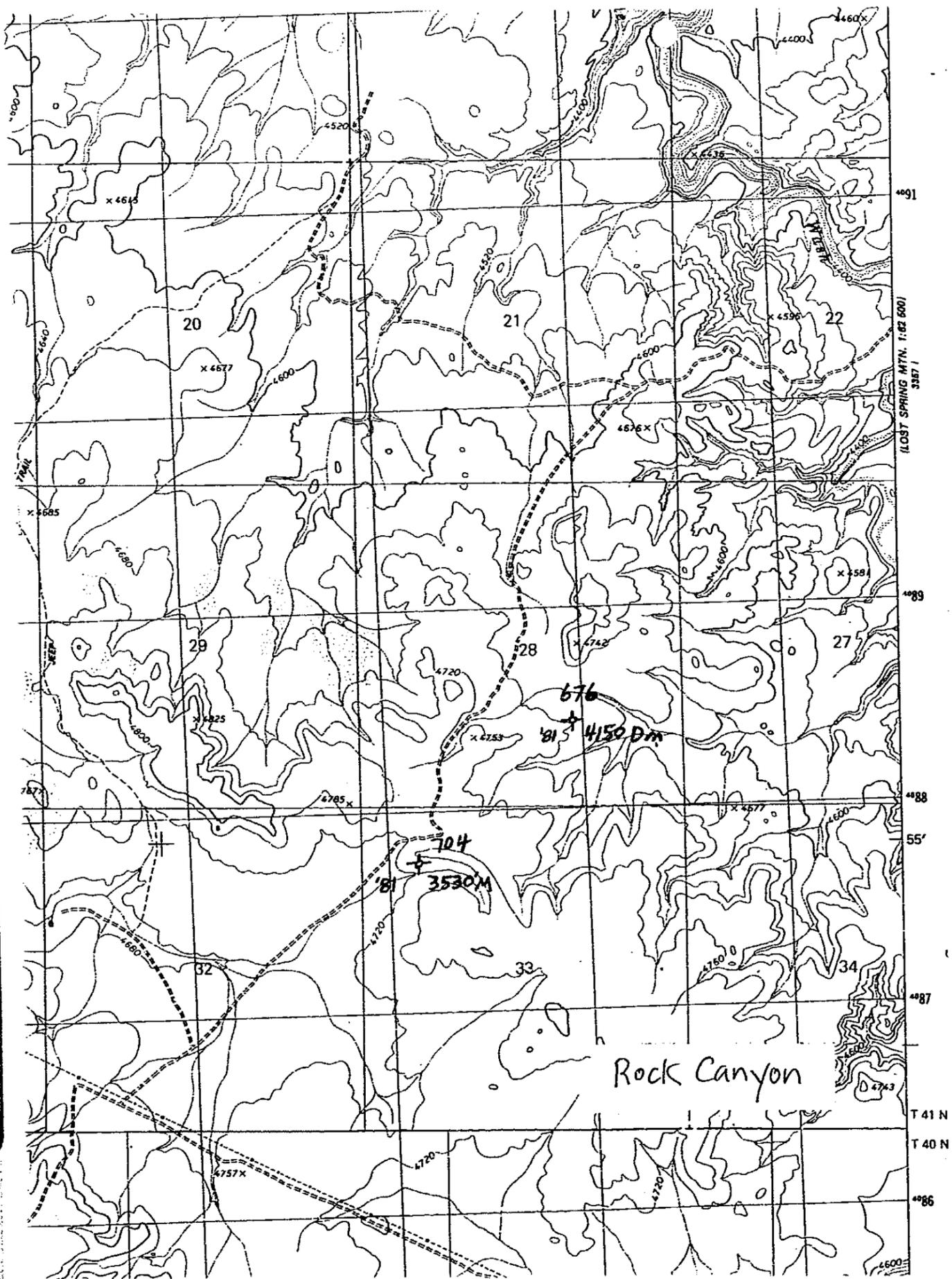
By W.B. [Signature]
EXECUTIVE SECRETARY

PERMIT N^o 676

RECEIPT NO. 860
API Well No. 02-015-2001~~03~~

State of Arizona
Oil & Gas Conservation Commission
Permit to Drill
FORM NO. 27

SAMPLES ARE REQUIRED



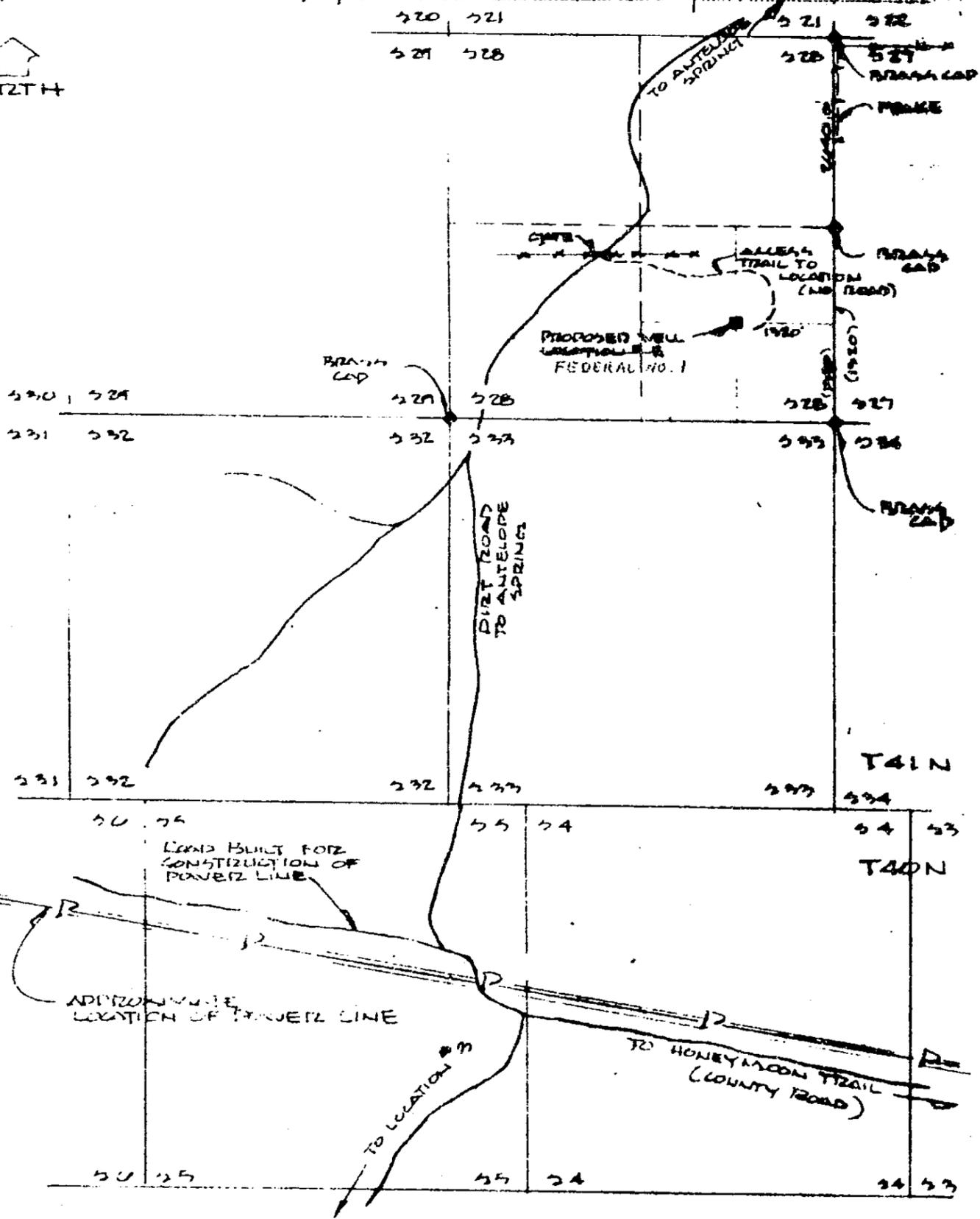
PROPOSED

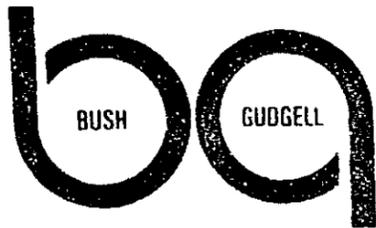
SUBJECT WELL LOCATION #2

SECT 28, T41N, R41W, C135RM

DATE... DATE... JOB NO...

PYRAMID OIL COMPANY





BUSH & GUGGELL, INC.
ENGINEERING AND LAND SURVEYING
165 NORTH 100 EAST • ST. GEORGE, UTAH 84770
TELEPHONE (801) 673-2337

January 11, 1977.

I, Gale E. Day, 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 established on the ground the following proposed Well site locations and have prepared the following descriptions.

~~Location # 1. (Located in Southwest $\frac{1}{4}$ of Northeast $\frac{1}{4}$ of Section 11, Township 41 North, Range 9 West, Gila and Salt River Meridian, Arizona.)~~

~~Proposed Oil Well site is located N $0^{\circ} 01'$ W 660.00 feet along the Section line and due West 1982.00 feet from the East $\frac{1}{4}$ Corner of Section 11, Township 41 North, Range 9 West, Gila and Salt River Meridian, Arizona.~~

FEDERAL NO. 1
Location # 2. (Located in Southeast $\frac{1}{4}$ of Section 28, Township 41 North, Range 9 West, Gila and Salt River Meridian, Arizona.)

Proposed Oil Well site is located N $0^{\circ} 02'$ W ^{1423.40}~~1000.00~~ feet along the Section line and S $89^{\circ} 57'$ W 1320.00 feet from the Southeast Corner of Section 28, Township 41 North, Range 9 West, Gila and Salt River Meridian, Arizona.

FEDERAL NO. 2
Location # 3. (Located in Southwest $\frac{1}{4}$ of Section 18, Township 40 North, Range 9 West, Gila and Salt River Meridian, Arizona.)

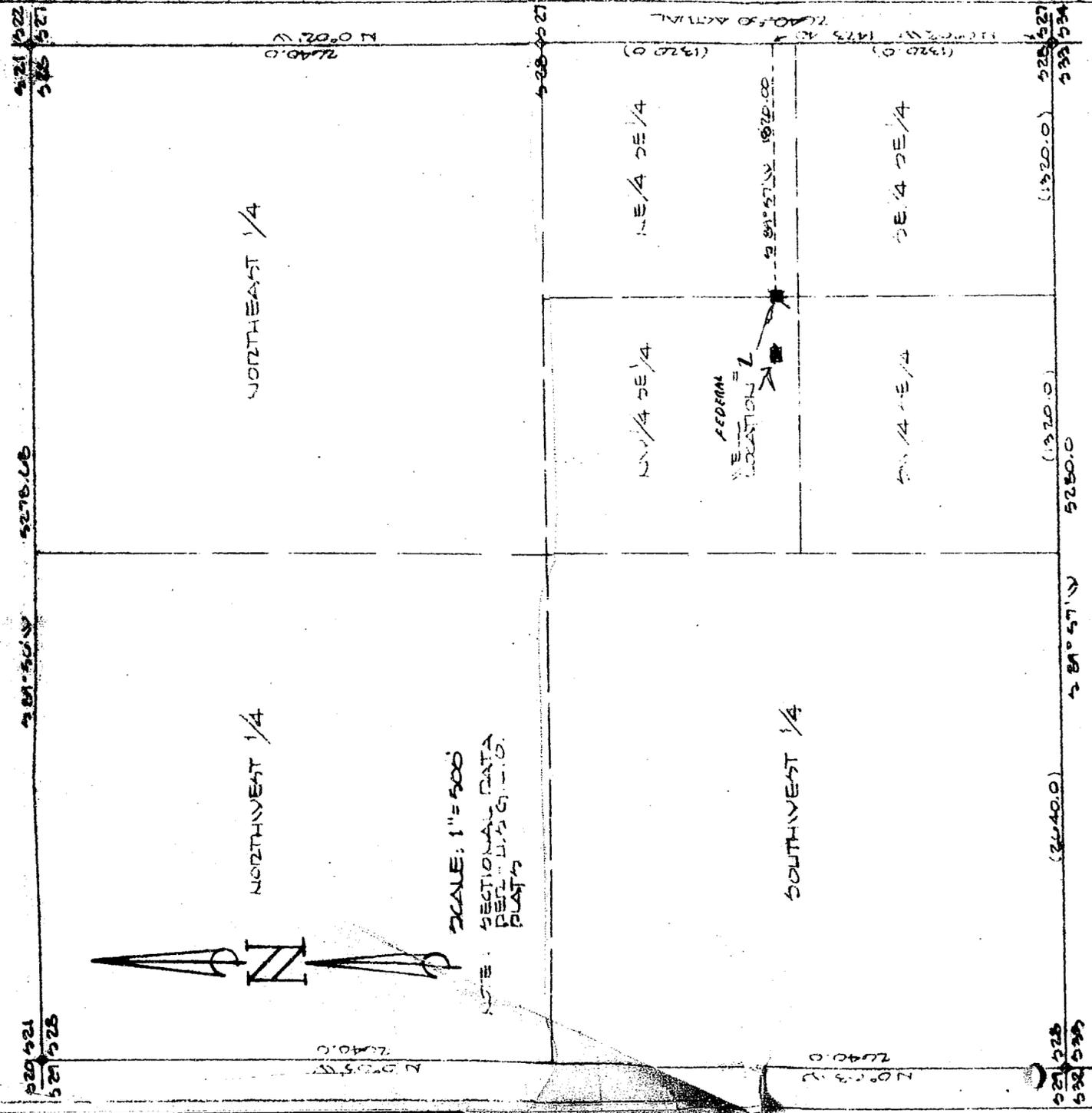
Proposed Oil Well site is located N $89^{\circ} 56'$ W ^{1520.00}~~1000.00~~ feet along the Section line and due North ~~1000.00~~ feet from the South $\frac{1}{4}$ Corner of Section 18, Township 40 North, Range 9 West, Gila and Salt River Meridian, Arizona.)

NOTE

Locations moved in Field as shown.



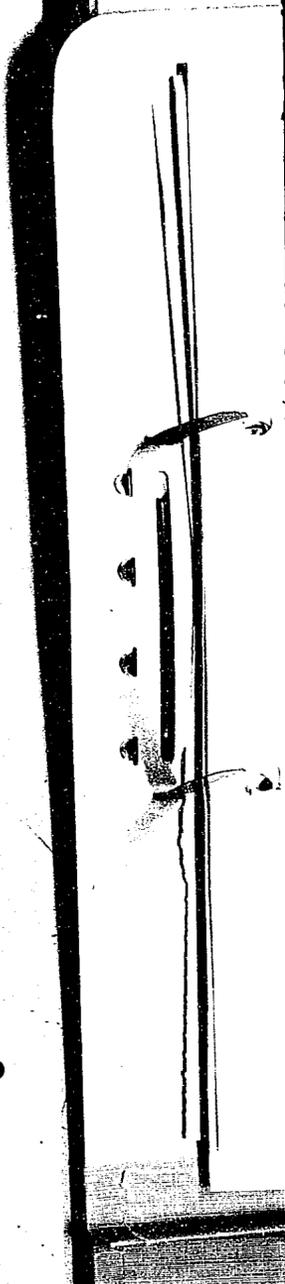
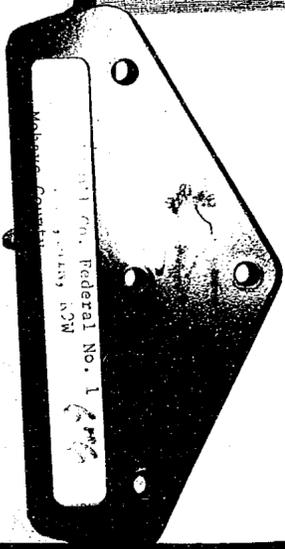
PLAT # 2521-A



SECTION 28
 TOWNSHIP 41 NORTH, RANGE 9 WEST
 GILA & SALT RIVER MERIDIAN
 ARIZONA

WELL LOCATION # 1.
 Proposed Oil Well site is located N 0° 02' W 1423.40 feet along the Section line and S 89° 57' W 1320.00 feet from the Southeast Corner of Section 28, Township 41 North, Range 9 West, Gila and Salt River Meridian, Arizona.

PREPARED BY
BUSH & GUDGELL INC.
 105 NORTH 100 EAST
 MT. CARMEL, UTAH 84070
 801-678-2997



August 19, 1981

Mr. Charles V. Martin, Vice President
Pyramid Oil Company
P.O. Box 3225
Santa Fe Springs, California 90670

Re: Pyramid No. 1 Federal, State Permit 676 ✓
Pyramid Rock Creek No. 2 Federal, State Permit 704

Dear Mr. Martin:

To comply with Commission Rule 119, please complete and return
one copy of the enclosed well completion report for the No. 1
Federal and also for the Rock Creek No. 2 Federal wells.

Thank you for your cooperation in this matter.

Very truly yours,

A. K. Doss
Executive Director

/os
Enc.

rec'd
9-14-81



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
1645 WEST JEFFERSON, SUITE 420
PHOENIX, ARIZONA 85007
PHONE: (602) 255-5161

July 6, 1981

Charles V. Martin
Pyramid Oil Co.
P.O. Box 3225
Santa Fe Springs, CA 90670

Re: Pyramid No. 1 Federal, State Permit 676
Pyramid Rock Creek No. 2 Federal, State Permit 704

Dear Mr. Martin:

Thank you for the plugging records for the two wells named above, and BLM water well release form for Rock Creek No. 2.

Please complete and return one copy of the well completion report enclosed for the No. 1 Federal well, State Permit 676.

Very truly yours,

A handwritten signature in cursive script that reads "Enone A. Stacey".

OEnone A. Stacey
Secretary

255-

May 27, 1980

The Aetna Casualty and Surety Company
3225 N. Central Ave.
Phoenix, Arizona 85012

Re: Bond No. 59 S 8035 BCA
Pyramid Oil Co. Federal No. 1
Mohave County, Arizona

Gentlemen:

This is to authorize cancellation of the above captioned bond as requested by Pyramid Oil Co. This well is now included in a three-well coverage bond.

Yours truly,

Don Whittaker
Director
Enforcement Section

DW:os
CC: Pyramid Oil Co.

676

PERFORMANCE BOND

KNOW ALL MEN BY THESE PRESENTS

Bond Serial No. 59 S 8035 BCA
PREMIUM: \$125.00 FOR 3 YEARS ADVANCE

That we: PYRAMID OIL COMPANY
of the County of LOS ANGELES in the State of CALIFORNIA
as principal, and THE ETNA CASUALTY AND SURETY COMPANY
of ORANGE, CALIFORNIA

AUTHORIZED TO DO BUSINESS WITHIN the State of Arizona.

as surety, are held and firmly bound unto the State of Arizona and the Oil and Gas Conservation Commission, hereinafter referred to as the "Commission", in the penal sum of FIVE THOUSAND AND NO/100 - - (\$5,000.00) 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 are 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:

WELL NO. FEDERAL NO. 1- SEC. 28, T.41N, R. 9W., G.S.R.M.

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

NOW, THEREFORE, if the above bounden principal shall comply with all the provisions of the Laws of this State and the rules, regulations and orders of the 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 and Gas Conservation Commission all notices and records required by said Commission, then 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, this obligation is void; otherwise it shall remain in full force and effect.

Whenever the principal shall be, and declared by the Oil and Gas Conservation Commission in violation of the Laws of this State and the rules, regulations and orders of the Commission, the surety shall promptly:

- 1. Remedy the violation by its own efforts, or
2. Obtain a bid or bids for submission to the Commission to remedy the violation, and upon determination by the Commission and the Surety of the lowest responsible bidder, arrange for a contract between such bidder and the Commission, and make available as work progresses sufficient funds to pay the cost of remedying the violation; but not exceeding, including other costs and damages for which the surety may be liable hereunder, the amount set forth in the first paragraph hereof.

Liability under this bond may not be terminated without written permission of this Commission.

WITNESS our hands and seals this 22nd day of FEBRUARY, 1977

PYRAMID OIL COMPANY

Handwritten signature of Charles V. Martin, VICE-PRESIDENT

WITNESS our hands and seals this 22nd day of FEBRUARY, 1977

Countersigned:

John M. Arnott
Arizona Resident Agent
3225 No. Central Ave.
Phoenix, Arizona

THE ETNA CASUALTY AND SURETY COMPANY
Surety

BY: Handwritten signature of Alan Bar
ATTORNEY-IN-FACT
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: 3-28-77
STATE OF ARIZONA
OIL & GAS CONSERVATION COMMISSION
By: Handwritten signature

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

Permit No. 676



THE AETNA CASUALTY AND SURETY COMPANY
Hartford, Connecticut 06115

POWER OF ATTORNEY AND CERTIFICATE OF AUTHORITY OF ATTORNEY(S)-IN-FACT

KNOW ALL MEN BY THESE PRESENTS, THAT THE AETNA CASUALTY AND SURETY COMPANY, a corporation duly organized under the laws of the State of Connecticut, and having its principal office in the City of Hartford, County of Hartford, State of Connecticut, hath made, constituted and appointed, and does by these presents make, constitute and appoint Frank Witherell, Jr., Alan L. Baer, Robert D. Trezise or Walter J. Davis - -

of Orange County, California, its true and lawful Attorneys-in-Fact, with full power and authority hereby conferred to sign, execute and acknowledge, at any place within the United States, or, if the following line be filled in, within the area there designated, the following instrument(s), by his sole signature and act, any and all bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any and all consents incident thereto

and to bind THE AETNA CASUALTY AND SURETY COMPANY, thereby as fully and to the same extent as if the same were signed by the duly authorized officers of THE AETNA CASUALTY AND SURETY COMPANY, and all the acts of said Attorneys-in-Fact, pursuant to the authority herein given, are hereby ratified and confirmed.

This appointment is made under and by authority of the following Standing Resolutions of said Company which Resolutions are now in full force and effect:

VOTED: That each of the following officers: Chairman, Vice Chairman, President, Any Executive Vice President, Any Senior Vice President, Any Vice President, Any Assistant Vice President, Any Secretary, Any Assistant Secretary, may from time to time appoint Resident Vice Presidents, Resident Assistant Secretaries, Attorneys-in-Fact, and Agents to act for and on behalf of the Company and may give any such appointee such authority as his certificate of authority may prescribe to sign with the Company's name and seal with the Company's seal bonds, recognizances, contracts of indemnity, and other writings obligatory in the nature of a bond, recognizance, or conditional undertaking, and any of said officers or the Board of Directors may at any time remove any such appointee and revoke the power and authority given him.

VOTED: That any bond, recognizance, contract of indemnity, or writing obligatory in the nature of a bond, recognizance, or conditional undertaking shall be valid and binding upon the Company when (a) signed by the Chairman, the Vice Chairman, the President, an Executive Vice President, a Senior Vice President, a Vice President, an Assistant Vice President or by a Resident Vice President, pursuant to the power prescribed in the certificate of authority of such Resident Vice President, and duly attested and sealed with the Company's seal by a Secretary or Assistant Secretary or by a Resident Assistant Secretary pursuant to the power prescribed in the certificate of authority of such Resident Assistant Secretary, or (b) duly executed (under seal, if required) by one or more Attorneys-in-Fact pursuant to the power prescribed in his or their certificate or certificates of authority

This Power of Attorney and Certificate of Authority is signed and sealed by facsimile under and by authority of the following Standing Resolution voted by the Board of Directors of THE AETNA CASUALTY AND SURETY COMPANY which Resolution is now in full force and effect:

VOTED: That the signature of each of the following officers: Chairman, Vice Chairman, President, Any Executive Vice President, Any Senior Vice President, Any Vice President, Any Assistant Vice President, Any Secretary, Any Assistant Secretary, and the seal of the Company may be affixed by facsimile to any power of attorney or to any certificate relating thereto appointing Resident Vice Presidents, Resident Assistant Secretaries or Attorneys-in-Fact for purposes only of executing and attesting bonds and undertakings and other writings obligatory in the nature thereof, and any such power of attorney or certificate bearing such facsimile signature or facsimile seal shall be valid and binding upon the Company and any such power so executed and certified by such facsimile signature and facsimile seal shall be valid and binding upon the Company in the future with respect to any bond or undertaking to which it is attached.

IN WITNESS WHEREOF, THE AETNA CASUALTY AND SURETY COMPANY has caused this instrument to be signed by its Secretary and its corporate seal to be hereto affixed this 27th day of January, 1976



THE AETNA CASUALTY AND SURETY COMPANY

By C. Q. Swarts
Secretary

State of Connecticut }
County of Hartford } ss. Hartford

On this 27th day of January, 1976, before me personally came C. Q. SWARTS, Secretary of THE AETNA CASUALTY AND SURETY COMPANY the corporation described in and which executed the above instrument; that he knows the seal of said corporation, that the seal affixed to the said instrument is such corporate seal; and that he executed the said instrument on behalf of the corporation by authority of his office under the Standing Resolutions thereof



Mary J. Kingston
My commission expires March 31, 1980. Notary Public

CERTIFICATE

I, the undersigned, Assistant Secretary of THE AETNA CASUALTY AND SURETY COMPANY, a stock corporation of the State of Connecticut, DO HEREBY CERTIFY that the foregoing and attached Power of Attorney and Certificate of Authority remains in full force and has not been revoked; and furthermore, that the Standing Resolutions of the Board of Directors, as set forth in the Certificate of Authority, are now in force

Signed and Sealed at the Home Office of the Company in the City of Hartford, State of Connecticut. Dated this 22nd day of FEBRUARY, 1977



By J. A. Preeby
Assistant Secretary

October 23, 1978

Mr. Charles B. Martin
Vice President
Pyramid Oil Company
P.O. Box 3225
Santa Fe Springs, California 90670

Re: Pyramid Oil Company Federal #1
NE/SE/4 Sec. 28, R41N, R9W
Mohave County, Arizona
State Permit No. 676

Dear Mr. Martin:

On December 14, 1977, you were granted permission to suspend operations until the Spring of 1978 on the above referenced well. We have had no communication from you since that time pertaining to your future plans for continued operations on this well or for the proper plugging and abandonment on this well.

Will you please advise this office of any plans that you have for re-entering this well or for the plugging and abandonment of the well.

Very truly yours,

W. E. Allen
Director
Enforcement Section

WEA/vb

March 3, 1978

Mr. Charles B. Martin
Vice President
Pyramid Oil Company
P.O. Box 3226
Santa Fe Springs, California 90670

Re: Pyramid Oil Company Federal #1
NE/SE/4 Sec. 28, T41N, R9W, Mohave Co.
State Permit No. 676

Dear Mr. Martin:

We have never received the electric logs that were run on this well. Bob Lauth informs me that you have these logs.

Will you please send this Commission a copy of all electric logs that have been run on this well.

Thank you for your cooperation.

Very truly yours,

W. E. Allen
Director
Enforcement Section

WEA/vb



OFFICE OF
Oil and Gas Conservation Commission
STATE OF ARIZONA
1645 WEST JEFFERSON, SUITE 420
PHOENIX, ARIZONA 85007
PHONE: (602) 271-5161

December 14, 1977

Memo to File

From: W. E. Allen, Director, Enforcement Section

Re: Pyramid Oil Federal No. 1
NE/SE/4 Sec. 28, T41N, R9W, Mohave County
State Permit No. 676

At Charles Martin's request of this date, verbal permission has been granted for Pyramid Oil to suspend operations until the spring of 1978.

The reason for this request is twofold: 1, bad weather from now until spring, and 2, there are 25 joints of drill pipe and 8 6" drill collars in the hole and the rig on the hole isn't capable of efficiently continuing operations on this hole.

October 21, 1977

Mr. Charles V. Martin
Vice President
Pyramid Oil Company
P.O. Box 3225
Santa Fe Springs, California 90670

Re: Pyramid Oil Company Federal No. 1
NE/SE/4 Sec. 28, T41N, R9W
Mohave County, Arizona
State Permit No. 676

Dear Mr. Martin:

Thanks to the USGS office in Bakersfield, we have learned of the change in location of your Federal No. 1 well. We have told you that ordinarily this Commission agrees with the findings of the USGS on wells drilled on federal land. This is true, however we do require notification of various operations, spud dates, weekly report of operations, plugging, etc. The State of Arizona has more stringent regulations on well spacing than does the USGS. It has been the policy of USGS to agree to our spacing regulations.

Moving your Federal No. 1 well does not constitute an unorthodox well location for an oil well but approval of this Commission is required. Please refer to Rule 109, Pages 7 and 8 of our rules and regulations. A copy of the rules and regulations is enclosed for your information.

Since this unauthorized change of location has already been accomplished, please submit a corrected copy of Form No. 3, Application to Drill.

I suppose this change of location without notification to this Commission could be my fault, in view of the fact that I have previously informed you that we go along with USGS on wells drilled on federal lands. Our acquiescence to USGS

Mr. Charles V. Martin
Pyramid Oil Company
October 21, 1977
Page 2

regulations does not relieve the operator of this responsibility of notifying this Commission of his desired intentions.

In the future, please keep this Commission informed of your operations prior to making any change in approved plans, including plugging, etc.

Very truly yours,

W. E. Allen
Director
Enforcement Section

WEA/vb
Enc.



PYRAMID OIL COMPANY
INCORPORATED 1909

10707 NORWALK BOULEVARD, SANTA FE SPRINGS, CA 90680
TELEPHONE: (213) 944-0780 - MAIL ADDRESS: P. O. BOX 3225

RECEIVED

AUG 8 1977

O & G CONS. COMM.

August 5, 1977

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

Re: Pyramid Oil Fed. No. 1, NE/4 NE/4
Sec. 28, T.41N., R.9W., State
Permit No. 676

Attention: Mr. W. E. Allen

Dear Mr. Allen:

We are writing to request a ninety day extension for commencing drilling operations on our Federal No. 1 Well State Permit No. 676. This should give us ample time as we expect to be moving our rig back on Federal No. 2 sometime next week. (8-12)

Your favorable consideration of this request will be appreciated.

Very truly yours,

PYRAMID OIL COMPANY

Charles V. Martin,
Vice President

*Permission
Granted
8-9-77
JB*

August 9, 1977

Mr. Charles V. Martin
Vice President
Pyramid Oil Company
P.O. Box 3225
Santa Fe Springs, California 90670

Re: Pyramid Oil Fed. No. 1, NE/4 NE/4 Sec. 28,
T41N, R9W, State Permit No. 676

Dear Mr. Martin:

Your request of August 5, 1977 for a ninety day extension for commencing drilling operations on the captioned well is acknowledged.

Please be advised that permission is hereby granted for the extension.

Very truly yours,

John Bannister
Executive Secretary

JB/vb

August 1, 1977

Mr. Charles V. Martin
Pyramid Oil Company
P.O. Box 3225
Santa Fe Springs, California 90670

Re: Pyramid Oil Fed. No. 1, NE/4 NE/4 Sec. 28, T41N,
R9W, State Permit No. 676

Dear Mr. Martin:

Please be advised that the drilling permit on this well is nearing the expiration date. If you wish an extension on this permit, please advise, stating the length of extension desired.

Very truly yours,



W. E. Allen
Director
Enforcement Section

WEA/vb

6-25-77

Verbal Extension granted for
3 months - New expiration date 9-28-77

Requested letter from Martin
W&Q
Confirming wish to extend permit

March 28, 1977

Mr. Charles V. Martin
Pyramid Oil Company
P.O. Box 3225
Santa Fe Springs, California 90670

Dear Mr. Martin:

Enclosed please find approved copies of Application to Drill for wells No. 1 and No. 2, Drilling Permits 676 and 677, and receipts for your checks of \$25.00 each.

Ten foot samples are required from grass roots to total depth.

Please advise me of your spud dates.

Very truly yours,

William E. Allen
Director
Enforcement Section

WEA/vb
Enc.

PYRAMID OIL COMPANY
SANTA FE SPRINGS, CALIF.

DETACH AND RETAIN THIS STATEMENT
THE ATTACHED CHECK IS IN PAYMENT OF ITEMS DESCRIBED BELOW.
IF NOT CORRECT PLEASE NOTIFY US PROMPTLY. NO RECEIPT DESIRED.

ACCOUNT NO.	DESCRIPTION	AMOUNT
0600-02F1	<i>NO 1</i> Application Fee	\$25.00