

P-W

PEAK PETROLEUM CO. # 1 231
SW NW 35-21N-18E NAVAJO CO.

sl

COUNTY Navajo AREA 18 mi N/Joseph City LEASE NO. N. M. & Arizona Land Fee

WELL NAME Peak Petroleum Company #1 N. M. & Arizona Land (Strat)

LOCATION SW NW SEC 35 TWP 21N RANGE 18E FOOTAGE 660 FWL 1980 FNL

ELEV 5669 GR 5694 KB SPUD DATE 5-2-63 STATUS P&A TOTAL DEPTH 1350'
COMP. DATE 7-9-63

CONTRACTOR 5674 Am Strat
5669' at least 200' high per Flagstaff 250,000 Topo CED

CASING SIZE	DEPTH	CEMENT	LINER SIZE & DEPTH	DRILLED BY ROTARY
<u>7"</u>	<u>60'</u>	<u>11 sx</u>	<u>NA</u>	<u>x</u>
				<u>DRILLED BY CABLE TOOL</u>
				<u>PRODUCTIVE RESERVOIR</u>
				<u>INITIAL PRODUCTION Strat</u>

FORMATION TOPS	DEPTHS	SOURCE		REMARKS
		L.L.	E.L.	
<u>Chinle</u>	<u>Surface</u>	<u>x</u>		
<u>Shinarump</u>	<u>410'</u>			
<u>Moenkopi</u>	<u>450'</u>			
<u>Kaibab</u>	<u>827'</u>			
<u>Coconino</u>	<u>830'</u>			

ELECTRIC LOGS	PERFORATED INTERVALS	PROD. INTERVALS	SAMPLE LOG
<u>none</u>			<u>Am Strat</u>
			<u>SAMPLE DESCRP. x</u>
			<u>SAMPLE NO. 1268 *</u>
			<u>CORE ANALYSIS</u>
			<u>DSTs</u>
			<u>*Tucson 2021</u>

REMARKS	APP. TO PLUG
	<u>x</u>
	<u>PLUGGING REP. x</u>
	<u>COMP. REPORT x</u>

WATER WELL ACCEPTED BY _____

BOND CO. Royal Indemnity Company BOND NO. 605229
 BOND AMT. \$ 2,500 CANCELLED 8-30-63 DATE 5-7-63
 FILING RECEIPT 9331 LOC. PLAT x ORGANIZATION REPORT 5-7-63
 API NO. 02-0 - 05060 WELL BOOK x PLAT BOOK x
 DATE ISSUED 5-6-63 DEDICATION Strat

PERMIT NUMBER 231

(over)

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 **Peak Petroleum Company** Address **514 Mile High Center, Denver 2, Colo.**

Lease Name **New-Mexico-Arizona Land Co.** Well Number **Strat. 1** Field & Reservoir

Location **660' FWL and 1980' FNL, Section 35, T21N, R18E, G&SRM** Sec.—TWP-Range or Block & Survey

County **Navajo** Permit number **231** Date Issued **56-63** Previous permit number Date Issued

Date spudded **3** Date total depth reached **May 5, 1963** Date completed, ready to produce **5669.2 Gr.** Elevation of casing hd. flange feet

Total depth **1350'** 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 Rotary tools used (interval) **0 to T.D.** Cable tools used (interval) **No**

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

Type of electrical or other logs run (check logs filed with the commission) **Electrical Logs not run.** Date filed

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	8-3/4	8 7"	17#	60'	11	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.		

PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

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

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

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

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 **Owner** of the **Peak Petroleum 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 **July 17, 1963** Signature *William J. Gray*

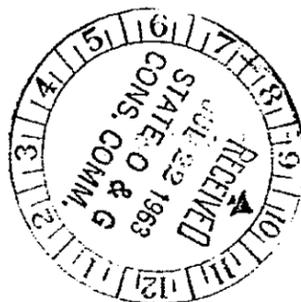
STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. P-7 File two copies
Authorized by Order No. **_____**
Effective **_____**

931

5'

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
Chinle	0	410	Pale gray-green, soft, blocky shale with a few interbedded stringers of white to tan amorphous limestone.
Shinarump	410	450	Medium to coarse, sub-angular to sub-rounded grains, well sorted, friable sandstone. Occasional shale grains.
Meonkopi	450	830	Sandstone, sub-angular, friable, micaceous, well sorted, interbedded with stringers of shale.
Kabab Limestone	827	830	Tan, microcrystalline Limestone.
Coconino	830	1350	White to flesh, well sorted, friable, predominantly fine to medium, sub-rounded sandstone with quartz grains.



* 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.

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: **Peak Petroleum Company** Address: **514 Mile High Center, Denver 2, Colo.**

Lease Name: **New-Mexico-Arizona Land Co.** Well Number: **Strat. 1** Field & Reservoir: _____

Location: **660' FWL and 1980' FNL, Section 35, T21N, R18E, G&SRM** Sec.—TWP—Range or Block & Survey: _____

County: **Navajo** Permit number: **231** Date issued: **56-63** Previous permit number: _____ Date issued: _____

Date spudded: **May 2, 1962** Date total depth reached: **May 5, 1963** Date completed, ready to produce: _____ Elevation (of RKB RT or Gr.) feet: **5669.2** Elevation of casing hd. flange feet: _____

Total depth: **1350'** 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: _____ Rotary tools used (interval): **0 to T.D.** Cable tools used (interval): **No**

Was this well directionally drilled? **No.** Was directional survey made? **Yes** Was copy of directional survey filed? _____ Date filed: _____

Type of electrical or other logs run (check logs filed with the commission): **Electrical Logs not run.** Date filed: _____

CASING RECORD

Purpose	Size hole drilled	Size casing set	Weight (lb./ft.)	Depth set	Sacks cement	Amt. pulled
Surface	8-3/4	8 7"	17#	60'	11	None

TUBING RECORD

LINER RECORD

Size	Depth set	Packer set at	Size	Top	Bottom	Sacks cement	Screen (ft.)
in.	ft.	ft.	in.	ft.	ft.		
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PERFORATION RECORD

ACID, SHOT, FRACTURE, CEMENT SQUEEZE RECORD

Number per ft.	Size & type	Depth Interval	Amt. & kind of material used	Depth Interval

INITIAL PRODUCTION

Date of first production: _____ Producing method (Indicate if flowing, gas lift or pumping—if pumping, show size & type of pump:)

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

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

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 **Owner** of the **Peak Petroleum 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: **July 17, 1963** Signature: *William J. Gray*

STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION
Well Completion or Recompletion Report and Well Log
Form No. P-7 File two copies
Authorized by Order No. _____
Effective _____

DETAIL OF FORMATIONS PENETRATED

Formation	Top	Bottom	Description*
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Meonkopi	450	830	Sandstone, sub-angular, friable, micaceous, well sorted, interbedded with stringers of shale.
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* 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.

PLUGGING RECORD

Operator Peak Petroleum Company		Address 514 Mile High Center, Denver 2, Colo.	
Name of Lease New Mexico-Arizona Land Co. Strat # 1		Well No.	Field & Reservoir
Location of Well 660' FWL and 1980' FNL, Sec. 35, T21N, R18E, G&SRM		Sec-Twp-Rge or Block & Survey	County Navajo
Application (with this well filed in name of William Geary, DBA Peak Petroleum Company)	Has this well ever produced oil or gas	Character of well at completion (initial production): Oil (bbbls/day) Gas (MCF/day) Dry?	
Date plugged: July 9, 1963	Total depth 1350'	Amount well producing when plugged: Oil (bbbls/day) Gas (MCF/day) Water (bbbls./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.

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
7"	60'	None	All		

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

Indicate deepest formation containing fresh water. **None encountered**

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

Name	Address	Direction from this well:
Navajo Reservation		

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
File this form in duplicate with the State of Arizona Oil & Gas Conservation Commission

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the **owner** of the **Peak Petroleum 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 **July 12, 1963**

Signature **William Geary**

**STATE OF ARIZONA OIL & GAS
CONSERVATION COMMISSION**

Plugging Record File two copies
Form No. P-15
Authorized by Order No. **4859**
Effective **April 6,** 19**59**

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APPLICATION TO ABANDON AND PLUG

FIELD _____
 OPERATOR Peak Petroleum Company ADDRESS 514 Mile High Center, Denver 2,
 LEASE New Mexico-Arizona WELL NO. Strat # 1 COUNTY Colorado
Land Co. SECTION 35 DRILLING PERMIT NO. 231
 LOCATION 660' FWL and 1980' FNL, Section 35, T21N, R18E, G&SRM

TYPE OF WELL Dry Hole TOTAL DEPTH 1350'
(Oil, Gas or Dry Hole)
 ALLOWABLE (If Assigned) _____
 LAST PRODUCTION TEST OIL _____ (Bbls.) WATER _____ (Bbls.)
 GAS _____ (MCF) DATE OF TEST _____
 PRODUCING HORIZON _____ PRODUCING FROM _____ TO _____

1. COMPLETE CASING RECORD _____

Surface Casing: Ø 8-3/4" to 75', Set 60' of 7", H Grade 17# casing at 35'.
(Drilled 5-5/8" to 1350')

2. FULL DETAILS OF PROPOSED PLAN OF WORK Plan to fill hole with mud from

1350' to approximately 830'. Plan to spot 5 sacks cement at 830',
(Moenkopi Formation). Will then fill hole with mud to a depth of
50'. Will then set cement plug with approximately 10 sacks cement
from 50' to top of surface casing.

After well is plugged will place marker in accordance with
the rules and regulations of the State of Arizona.

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 July 9, 1963

NAME OF PERSON DOING WORK M. W. McDonald ADDRESS 514 Mile High Center, Denver
Toolpusher for Peak Petroleum,

CORRESPONDENCE SHOULD BE SENT TO Peak Petroleum, 514 Mile High Center, Denver

NAME William J. Geary
 TITLE Owner

Date Approved _____

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

<p>STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION Application to Abandon and Plug Form No. 15A File 2 Copies Authorized by Order No. 4-6-59 Effective April 6, 1959</p>

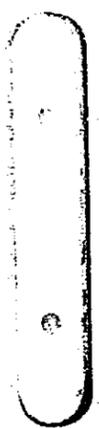
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Peak Petroleum Company - New Mexico - Arizona Land Company

Navajo No. 1, Section 35, T 21 N, R 18 E
Navajo No. 2, Section 27, T 20 N, R 17 E

GENERAL REVIEW AND CONCLUSIONS

1. No shows of oil and/or gas were found in the above described wells in penetrating the geologic section from respectively 410' and 433' above the base of the Triassic Chinle formation and to a depth 520' and 35' respectively into the Permian Coconino sandstone.

2. The upper objective horizon, the Triassic Shinarump sandstone, was found to be well developed and to offer favorable reservoir conditions at both test sites. The porosity of the sand body is good to excellent and the permeabilities are considered to be fair to good contingent on the degree of interstitial cementation by clay within the sand. The Shinarump was completely dry in the Peak Petroleum No. 1 well, but gave up fresh water in the Peak Petroleum Company No. 2 well.

The lower and principal objective horizon, the Permian Coconino sandstone, exhibited excellent porosity and permeability and is considered to be a very good reservoir type rock. In the Peak Petroleum Company No. 1 test, the upper 520' of this formation was completely dry, although in the lowermost 50' of this interval there was a slight dampening of the sand body which suggested that at total depth the well bore was approaching the water table in the formation. Direct analysis of the fluid content was possible in the No. 1 well as the entire section was drilled using compressed air for circulatory media. In the Peak Petroleum Company No. 2 test, drilling mud was employed as circulatory media in drilling into the Coconino. A drill stem test was run in the upper 6' of the sand body with no recovery of oil and/or gas or water. Considering the excellent horizontal and vertical permeabilities of the Coconino and the excellent porosity within the sand body, it is indicated that any gas endemic to the formation with a high specific gravity should migrate upward through the sand body and ultimately to the high point of a suitable structural trap. Considering this, both wells adequately tested the Permian Coconino sandstone with negative results.

3. Based on Coconino water wells which have been drilled off structure to the west and southwest of the subject wells, a water table of approximately 4850' above sea level is indicated within the formation. Assuming a uniform regional water table in the region, water should have been found in the Peak Petroleum Company No. 1 well at 5' below the top of the formation. In the No. 2 well there should have been sufficient hydrostatic pressure to lift a fluid column approximately 430' above the top of the formation. Since the formation is dry for a considerable distance below the top of the Coconino in the No. 1 well and dry near the top of the formation in the No. 2 well, it is indicated that the water table is regionally tilted Basinward. From the nearest water table control in T 20 N, R 16 E, a tilted water table of slightly less than one half of one degree is necessary to place the water table below the total depth of the No. 1 well, and a tilted water table of less than one and one half degrees is necessary to put the water table below the zone tested in the No. 2 well.

Page Two - Peak Conclusions

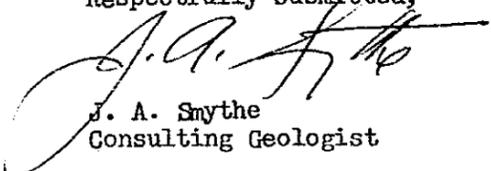
4. The absence of a suitable water drive mechanism within the Coconino is not favorable for hydrocarbon accumulation in the structural features in the area. If the theory is accepted that high concentrations of helium and other allied inert gases have been brought and deposited in suitable structural traps by the migration of ground waters through and in proximity to uraniferous sediments, the absence of a full water column within the Coconino is not desirable for helium rich gas accumulation in the area of interest.

5. The geologic structure of both the Ives Dome Prospect and the Painted Desert Anticline as mapped by Mr. Silas C. Brown is believed to be accurate. Both features merited a Coconino test as they were previously undrilled and since previous data did not indicate an irregularity in the water drive mechanism within the objective horizon. Based on surface work, the Peak Petroleum Company No. 2 well situated on the Painted Desert Anticline should have been approximately 345' lower structurally than the Peak Petroleum No. 1 well location on Ives Dome. The actual structural difference at the top of the Coconino was 425'. Most of this difference can be attributed to the thickening of the Triassic section in the six and one half miles between the wells.

CONCLUSION:

The Peak Petroleum Company - New Mexico - Arizona Land Company No. 1, Section 35, T 21 N, R 18 E and the Peak Petroleum Company - New Mexico - Arizona Land Company No. 2, Section 27, T 20 N, R 17 E respectively tested the Permian Coconino on Ives Mesa Dome and the Painted Desert Anticline. No shows of oil and/or gas were encountered in either test. The absence of shows on the structures which were tested might be associated with the absence of a suitable water drive mechanism within the Coconino sandstone.

Respectfully submitted,


J. A. Smythe
Consulting Geologist

WELL HISTORY

Peak Petroleum Company-New Mexico-Arizona Land Co.

Navajo No. 1

C SW/4 NW/4 Section 35, Township 21 North, Range 18 East
Navajo County, Arizona

OPERATOR: Peak Petroleum Company, 320 Guaranty Bank Building, Phoenix, Arizona

LEASE: New Mexico-Arizona Land Company (mineral rights), Navajo Tribe (surface rights)

PROSPECT NAME: Ives Mesa Dome

LOCATION: 660' East of West line and 1980' South of North line (i.e. C SW/4 NW/4)
Section 35, Township 21 North, Range 18 East, Gila and Salt River
Meridian, Navajo County, Arizona.
Survey by R. M. Paulsell, Arco Engineers, Phoenix, Arizona

ELEVATIONS: 5669.2' a.s.l. Ground, 5674' a.s.l. Rotary Table

TOTAL DEPTH: 1350' (R.T. measure) Driller's depth

HOLE SIZE: 8-3/4" to 35'; 5-5/8" from 35' to 1350' T.D.

CASING: Surface string - set 30' of 7", H grade, 17# casing on shoulder at
35' (R.T. measure). Casing uncemented.

CONTRACTOR: Peak Petroleum Company

TYPE RIG: Failing 2500 trailer mounted rotary rig (1957 Model). Drill pipe -
2-7/8" I F Hughes extra. Drill collar - 6 (180') 3-3/4" slim hole.
Mud pump - Gardner Denver 5" by 8" compounded to rig draw works.
Air compressors - 3 Schramm 1200 CFM, 500 PSI. Rotating head -
Guiberson Type J (3000 PSI TP). Mud tanks - 2 40 barrels capacity.
Foam injection pump - Worthington. Together with trucks, trailers,
and other back up equipment.

CIRCULATORY MEDIA: Compressed air used from ground surface to 1350' T.D.

LOGGING: Detail sample log available from 400' to 1350' T.D. Samples for cut
to American Stratigraphic Company, 1820 Broadway, Denver 2, Colorado

DRILLING TIME: Spud date: 8:00 A.M. May 2, 1962
Completion date: 5:30 A.M. May 5, 1963

PLUGGING DATA: Hole standing dry at total depth. Set bridge plug at 6' from
ground surface to surface with 2 sacks regular cement. Location
leveled with backhoe by Jack McLaws, Holbrook, Arizona. No
marker on location. Plugged May 9, 1963.

FORMATION DATA:

<u>AGE:</u>	<u>FORMATION:</u>	<u>DEPTH:</u>	<u>THICKNESS:</u>	<u>STRUCTURAL ELEVATION ABOVE SEA LEVEL:</u>
Triassic	Chinle	0-410'	410'	Erosional surface
Triassic	Shinarump	410-450'	40'	45264'
Triassic	Moenkopi	450-827'	377'	45224'
Permian	Kaibab	827-830' (?)	3' (?)	
Permian	Coconino	830-1350' TD	520' (total amt drilled off)	44844'

See Stratigraphic section and sample log for detailed formation data.

STRATIGRAPHY

I. TRIASSIC

1. Chinle: Interval 0-410', thickness 410' (Thickness present at location. Due to erosion at surface true formation thickness exceeds this.)

Description: Pale gray green, soft, blocky shale with a few interbedded stringers of white to tan amorphous limestone was logged in the lowermost ten feet of the Chinle.

Comment: Section air drilled dry. No water present in the sandstones which are present above the sampled interval. No shows of gas at blooey line during connections.

2. Shinarump: Interval 410-450', thickness 40'.

Description: Medium to coarse, sub angular to sub round grained, well sorted, friable quartz, sandstone. Grains vary from translucent to amber and include occasional shale grains. Overall color of sandstone is tan. Porosity of the sand body is considered to be good to excellent with permeabilities varying from fair to good, contingent on the degree of interstitial clay cementing material present. The sand body is micaceous, exhibiting occasional flakes of both biotite and muscovite mica. The uppermost ten feet of the unit was comprised of very fine grained, well sorted, porous and permeable sandstone similar to the more coarse underlying sand, and was interbedded with a few stringers of interbedded tan, microcrystalline limestone.

Comment: The Shinarump exhibits desirable reservoir characteristics in the subject well but is barren of water, gas, or oil. The section was air drilled dry. No shows were observed in the sample cuttings, and no gas was detected at the blooey line while compressed air was bypassed for drill pipe connections.

3. Moenkopi: Interval 450-830', thickness 380'.

Description: For convenience, the Moenkopi formation in the Peak Petroleum Company No. 1 well can be described in two units. The uppermost of these extends from 450' to 610' and appears to correlate with the section on the

electric log from 495-650' in the Linehan and Stoltenberg et al Jeffers No. 1, Section 11, T 20 N, R 21 E, situated 16½ miles southeast of the subject well. The lower unit appears to correlate satisfactorily with the interval from 650' to the top of the Coconino sandstone as shown on the log of the Linehan and Stoltenberg test.

The upper unit is comprised of soft, waxey, blockey, micaceous shales which vary in color between pale grays, reds, greens, tans and browns and mottled combinations of these and which are interbedded with very fine to medium (predominantly very fine to fine), sub angular, friable, micaceous, well sorted tan sandstone which is occasionally shaley and which is occasionally interbedded with stringers of shale. The section also exhibits a few irregular interbeds of white to tan, amorphous to microcrystalline, nodular limestone.

The lower unit is comprised predominantly of shaley sandstone conglomerates which are laminated with and irregularly interbedded with waxey, blockey, variegated shales; browns, reds, gray greens, greens, and pale gray. Both the conglomerate and the shale section exhibit occasional thin stringers of fibrous and granular types of gypsum. The conglomerates are coarse to very coarse, angular to sub angular, translucent to amber quartz with occasional dark shale and variegated chert grains. The cementation is predominantly shale and/or gypsum and the conglomerates are sometimes pyritic and micaceous. The basal fifty feet of the unit shows fossilized plant replacements in pyrite, chert, and carbonized form. The amount of chert increases appreciably to the base of this interval in association with the fossilized remains.

Comment: The upper unit of the Moenkopi was air drilled dry. No shows of oil and/or gas were observed in the section.

In the lower unit of the Moenkopi, the conglomerate in the interval 690-700' appeared damp on fresh sample. No water was blown from the blooey line at this depth, but in drilling from below this point and throughout the underlying Moenkopi some small "mud balls" were blown from the blooey line. A slight collaring or bridging of the hole in the interval from approximately 700-810' was noted during a trip out of the hole for a new drilling bit. This tight spot is considered to have been caused by very slight water seepage from 690-700' together with possible slight seepage from conglomerates underlying this depth. At no time was free water blown from the hole and the water "bleeder" zones were effectively sealed by dust from subjacent drilling. No shows of oil and/or gas were present in this unit.

II. PERMIAN

1. Kaibab Limestone: Interval 827(?) - 830', thickness 3'(?).

Description: Traces of tan, microcrystalline limestone which were associated with the uppermost Coconino sandstone sample are believed to represent the Kaibab limestone. The apparent thickness of the unit is determined from a slight drilling slowdown in the interval from 827-830'.

2. Coconino: Interval 830-1350' Total Depth, 520' drilled to T.D.

Description: The upper 145' is comprised of white to flesh colored, well sorted, friable, predominantly fine to medium, sub round sandstone with frosted

quartz grains. This interval gives up white dust at the blooey line. Below this and to the total depth of the well the massive Coconino sand body appears salmon pink on fresh sample and at the blooey line. The formation has apparent excellent porosity and excellent horizontal and vertical permeability and is considered to be a very good reservoir type rock.

The only apparent barriers to vertical migration of fluids in the Coconino in the subject well are a shale break in the interval from 1009-1022' comprised of brick red, silty and some purple, waxey shales. Also, in the interval from 1280-1300' there is a very fine to fine grained, in part consolidated sandstone which is interbedded with purple and red shales which might provide a vertical permeability barrier. Between these benches in the Coconino there are some minor interbedded stringers of gray green, red and purple shales. These might represent sluffage from the overlying shale interval.

Comment: 520' of the Coconino was air drilled dry to the total depth of the subject well. No shows of oil and/or gas were detected in the formation. Compressors were shut down for fifteen minutes near the top of the formation to test for gas and the blooey line was watched for gas during connection periods with negative results.

It is possible that the Coconino might carry water at a short distance below the total depth of the hole as in the interval 1300-1350' T.D., below the permeability barrier discussed above, the fresh samples appeared to be slightly damp and there was some indication of sluffage from the walls of the hole.

General review and conclusions are combined with general review and conclusions for Peak Petroleum Company - New Mexico - Arizone Land Company No. 2, Section 27, T 20 N, R 17 E.

Sample Description

Peak Petroleum Company - New Mexico - Arizona Land Company
Navajo No. 1
C SW NW Section 35, T 21 N, R 18 E
Navajo County, Arizona

660' E/W and 1980' S/N Section 35. Surveyed by R. M. Paulsell, Arco Engineers,
1736 A. E. McDowell Road, Phoenix, Arizona

Ground Elevation 5669.2' a.s.l.

Triassic Chinle formation surface to 410'

- 400-10' Sh, pale gry grn, sft, bentc wi inbd stgrs ls, wht to tn, amrphs.
Trcs frgns concrtns, rd wi grn sh coating. Trc tan chert.
- 410' Top Triassic Shinarump
- 410-20' Ss, buff, v f grnd, sub ang qtz wi drk mnrls, friab, porous, well
srt'd (70) wi inbd ls, tn, microxln.
- 420-30' Ss, med to crs grnd, sub ang to sub rnd qtz, trnsclnt & amber wi occ
grns sh, rd, friab, gd P&P, gd sorting. Trc org chert. Trc ls,
tan, amorphous
- 430-440' Ss, tan, med grnd, a/a, fw grns biot mica. Genrly gd por, fair to gd
perm, fr due to wht cly cntng mtrl.
- 440-450' Ss, a/a, med-crs, tn, numerous org qtz grns, conglomeritic. Friab,
occ grns sh, rd, blk, grn, well sorted, v gd P&P. Musc mica.
- 450' Top Triassic Moenkopi
- 450-60' Sh, pl gry, v sft, bentc, slty sdy, trc biot mica, trcs chert, tan, ang.
- 460-70' Sh, a/a wi fw stgrs sh, sft, brick rd & green sh.
- 470-80' Ss, friab, tn, f to med, ang to sb ang qtz, clr & ambr, occ drk grns
biot mica & sh (80) wi inbd sh, pl gry, sft, a/a.
- 480-90' Ss, v f to f, a/a (90) wi inbd sh, gry, sft, a/a (10).
- 490-500' Ss, f-med, a/a, P&P wi some stgrs inbd wi sh, pl gry to gry grn, v
sft, fw scat clumps of ls concrtn.
- 500-10' Ss, friab, tan, f-med, well srt'd. Sb ang qtz, clr to ambr wi occ drk
grns, sh. Porous.
- 510-20' Ss, a/a, med grnd, well srt'd, P&P, fw grns muscovite mica (95) wi
inbd gypsum, wht, gran (5).
- 520-30' Ss, a/a, shly wi irregular clumps sh, gry grn & hrd. Fw clmps gyp-
siferous. Fw stgrs ls, tn, sdy. Trc chrt, brn, ang.
- 530-40' Sltstn, brn, shly, sft wi trcs inbd sh, pl gry, v sft.
- 540-50' Ls, wht to tan, microxln nodular, amrphs, wi some rd pcs stained
wi irrgrl inclns sh, rd, slty. Fw stgrs sltstn, brn, a/a.
- 550-60' Ss, v f grnd, tn, sub ang qtz wi drk grns sh. Trcs mica grns, biot
& muscovite, friab, well sorted.
- 560-70' Sh, lt tn-tn, sft, v calcr, trc sh, rd as irrgrl inclsn.
- 570-80' Sh, brn, wxy, sft wi some stgrs inbd gypsum. Trc ls, tn, amrphs.
- 580-90' Ss, friab, well srt'd, med, sub ang qtz, clr to ambr grns, occ drk grns
sh, trcs musc mica & Biot mica. Good P&P.
- 590-600' Sh, brn, wxy, sft, wi cons amt inbd gypsum, wht, fibrous & amrphs.
Irreg inclns ls, tn to wht, microxln, nodular. sft sh.
- 600-10' Ss, as next abv, ti, shly, gypsiferous wi irrgrl inclns lt gry grn/
610-20' Ss, med-crs, conglmrct, well srt'd a/a. Porous but impermeable due
to gypsum granular cement

- 620-30' Ss conglmrt, ang to sub ang qtz, trnsicnt to ambr wi red sh grns. med to crs grns, trcs musc mica, bound wi gran gypsum.
- 630-40' Ss conglmrt, tn to brn, a/a predmnty med grnd. Shly wi irrgrl laminae sh, brn to rd. Trc grn sh.
- 640-50' Ss conglmrt, brn, med to crs, ss a/a, shly. Bound in part wi gran gyps.
- 650-60' Ss, med grns, v shly, cong, a/a. Grades to v sdy brn sh. Splotches gran gypsum.
- 660-70' Ss, tn, md to crs, cong, a/a. Shly & gyps.
- 670-80' Sh, brk rd, silic, hrd, mottled wi sh, gry grn.
- 680-90' Sh, wxy, drk grn to brnsh rd, some mottled grn, irrgrly inbd wi sh, pl gry to gry grn, trc org chert.
- 690-700' Ss cong. Ang to sub ang qtz, trnsicnt to ambr, med-crs wi drk sh grns. Trcs mica, musc. Gypsiferous. Trc red sh, trc ls, lt tan, microxln.
- 700-10' Sh, rd, slty, irrgrly lam wi cong a/a. Svrl crs pcs tn to org cht. Inbd gypsum.
- 710-20' Ss cong. Brn a/a, med crs, v shly wi inbd rd sh, brick rd, slty. Inbd gyp, wht, sft.
- 720-30' Ss cong, crs to v crs, variegated qtz & chert grns, poor sorting, gypsiferous, shly.
- 730-40' Ss cong, brn, med grnd, v shly, a/a. Gypsiferous.
- 740-50' Sh, brnsh rd, wxy, blk, sft wi some stgrs sh, lt gry, sft & lenses wht gypsum.
- 750-60' Shs, rdsh brn & rd, a/a. Sh, lt gry, sft. Inoc prsms, trcs ls, tn, amrhous, nodular.
- 760-70' Ss cong, v hrd, crs, sub ang-ang varicolord qtz & chert in rd sh matrix. Gyps, micac, some pyrtc. Trcs sh, sft, gry grn, hole sl damp (?).
- 770-80' Shs, sft, wxy, variegated, brn predominant, some red & grn. Some inbd gran gyp.
- 780-90' Sh, pl gry grn, sdy, hrd, micac. Fw pcs sho crbnc mtrl, plant stems? Trc sh, prpl.
- 790-800' Ss cong, v hrd & crs, sub ang varicolored qtz & cht in grn sh matrix. Sh particles, gyp, some pyrtc, Crbnized plnt stems. Trc sh, rd, v pyrtc.
- 800-810' Pyrite, replacement of plant stem forms. Assoc wi gry grn conglomerate & sh, rd, calcr, & sh, grn, calcr. Fw pcs crbnzd plnt stems. V hrd section. Trc ls, tan, amorphous.
- 810-20' Ss Cong. Med crs ang to sub ang qtz, clr to ambr wi drk rd sh grns, flakes musc mica in gyp & lt gry sh base. Cons amt chert, trnsicnt, tn & ambr. Cong v hrd.
- 820-30' Sh, sft, wxy, gry grn wi some inclns sh, rd, slty, sl gypsiferous.
- 830' Top Permian Coconino
- 830-40' Dusts white. Ss, wht to flsh color, gd sorting, sub ang qtz, gd por. Fr to pr perm due cly (?) cementation. Trc ls, tn, microxln. Pcs pyr, massive in cong a/a (cave?). Ls Kaibab cave?
- 840-50' Ss, friab, flsh colored, f med grns, well sorted, a/a, sub ang to sub rnd frosted grns. Probable excellent P&P. Occ amber clrd grns.
- 850-70' Ss, f grnd, a/a.
- 870-900' Ss, f-med, a/a. Fw pcs sh, gry grn, wxy (cave?)

Note: At 900' Shut down compressor for 15 min. Saran wrap over end blooey line, no apparent gas.

900-10' Skip

910-70' Ss, f-med, a/a.

Note: At 975' ss at blooey line turned from wht to salmon pink

970-80' Ss, f to med, friab, sub ang to sub rnd, a/a but salmon pink

980-1000' Ss, a/a.

1000-10' Ss a/a to 1009'. Sh, med hrd to sft, purple, wxy & brk rd, sl sity.
 1010-22' Sh, med hrd-sft, brk rd to maroon, slightly sity, fw pcs chert, tan,
 ang, trcs gyp.
 1022-40' Ss, friab, unconsolidated, vf-f, salmon pink, sub ang to sub rnd
 grns a/a.
 1040-60' Ss, a/a, f-med.
 1060-70' Skip
 1070-90' Ss, vf-f, uncon, sub ang to sub rnd, salmon pink, a/a, wi inbd stgrs sh,
 bry grn & brn, wxy (cave?)
 1090-1110' Ss, a/a (90) wi stgrs sh, gry grn & rdsh brn, wxy (cave?) & rd wi
 green mottling.
 1110-20' Ss, a/a, med to crs (80), balance vrgted shs as next abv (probable
 cave from trip at 1105'. Sh particles wi well rnded corners).
 1120-30' A/a, ss 90, sh 10.
 1130-50' Ss, a/a, med-crs (95), sh (5).
 1150-60' Skip
 1160-70' Ss, a/a, f-med.
 1170-80' Ss, a/a, med grnd. Trcs sh, purple & rd, wxy (cave? possible thin
 prtngs in ss).
 1180-90' Ss, a/a, vf-f.
 1190-1200' Ss, f to med, a/a
 1200-10' Ss, f, a/a, trc sh, gry grn.
 1210-80' Ss, a/a.
 1280-90' Ss, vf-f, sub ang to sub rnd qtz, unconsolidated, friab, a/a (80).
 Fw pcs consolidated f ss, gd poros, fair perm due to gyp cement.
 Sl iron oxide stng (10) wi inbd sh, prpl & rd, slty (10).
 1290-1300' Ss, f grnd, a/a, in part consolidated evenly inbd wi sh, purple, med
 hrd, sl waxy.
 1300-10' Ss, f grnd, friab, uncon, sub ang to sub rnd qtz, salmon pnk. Trcs
 sh, purple & rd. Fresh spls dmp from blooey line.
 1310-20' Ss, a/a (95) wi 5% sh, prpl, sl sdy. Fresh spl damp.
 1320-40' Ss, a/a, f-med (95) wi trcs sh, purpl & rd, a/a
 1340-50' Ss, a/a, vf-f, wi trc sh, prpl. Fresh spls dmp at blooey line.

Reached TD 1350' at 5:30 AM May 5, 1963. Ss sluffing in hole and grabbing pipe.
 Decision to come out of hole.

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

APPLICATION TO DRILL DEEPEN PLUG BACK

NAME OF COMPANY OR OPERATOR

DATE

William J. Geary, dba Peak Petroleum Company

23 April 1963

Address

City

State

320 Guaranty Bank Bldg., Phoenix 12, Arizona

DESCRIPTION OF WELL AND LEASE

Name of lease

Well number

Elevation (ground)

New Mexico-Arizona Land Co.

Strat. #1

5669.2'

Well location

(Give footage from section lines)

Section--township--range or block & survey

660' FWL and 1980' FNL, Sec. 35, T21N, R18E, G&SRBM

Field & reservoir (If wildcat, so state)

County

Stratigraphic Test

Navajo

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

18 miles North of Joseph City

Nearest distance from proposed location to property or lease line:

660

feet

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

None

feet

Proposed depth:

Not known

Rotary or cable tools

Rotary

Approx. date work will start

5-1-63

Number of acres in lease:

640 acres

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

None

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

Name

Address

None

Status of bond

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)

Stratigraphic test for exploration only

* Fill in Proposed Casing Program on other side

CERTIFICATE: I, the undersigned, under the penalty of perjury, state that I am the Owner of the Peak Petroleum 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.

23 April 1963

Date

Signature

William J. Geary
Peak Petroleum Co

Permit Number: 231

Approval Date: 5-1-63

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.

See Instruction on Reverse Side of Form

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

Application to Drill, Deepen or Plug Back

Form No. P-1

File two copies

Effective Feb. 28, 1962.

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INSTRUCTIONS
READ CAREFULLY AND COMPLY FULLY

For the purpose of this determination attach hereto a neat, accurate plat, map or sketch of this lease, section, block or lot locating thereon the proposed site for this location. Plat shall be drawn to a scale which will permit the facile observation of all pertinent data. Show distances of the proposed well from the two nearest lease and section lines, and from the nearest wells on the same lease completed in or drilling to the same reservoir. If the location requested is not in conformance with the applicable well-spacing rules, show all off-setting wells to the proposed well, and the names and addresses of all adjoining lease or property owners.

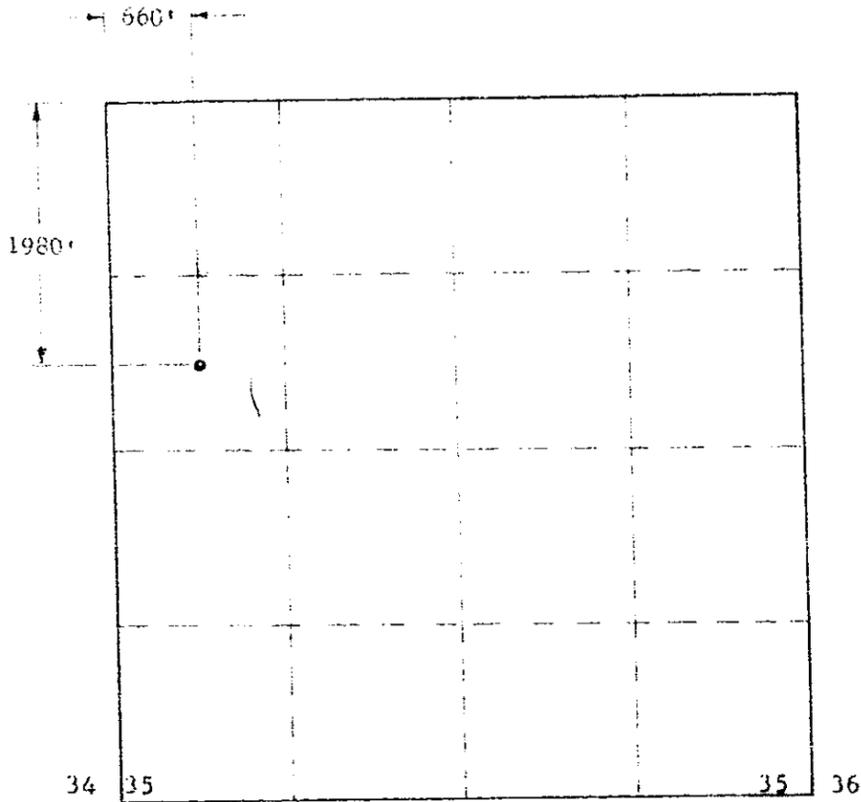
In event plat is filed for the purpose of designating the drilling and producing unit, or proration unit, on which the proposed well is to be drilled, the boundaries of such unit shall be shown, also the boundaries of all other such units attributed to other wells on the same lease completed in or drilling to the same reservoir. The acreage contained within each unit shall also be shown.

Do not confuse survey lines with lease lines. The sketch or plat should show your entire lease if possible. If it is not practical to show the entire lease and the plat shows only a section, block or lot out of your lease, you should clearly show that same is only a part of the lease.

Designate scale to which plat or sketch is drawn. Also designate northerly direction on the sketch or plat.

PROPOSED CASING PROGRAM

Size of Casing	Weight	Grade & Type	Top	Bottom	Cementing Depths	Sacks Cement
7"	17	J 55	0'	60'	0-60'	11 sx.



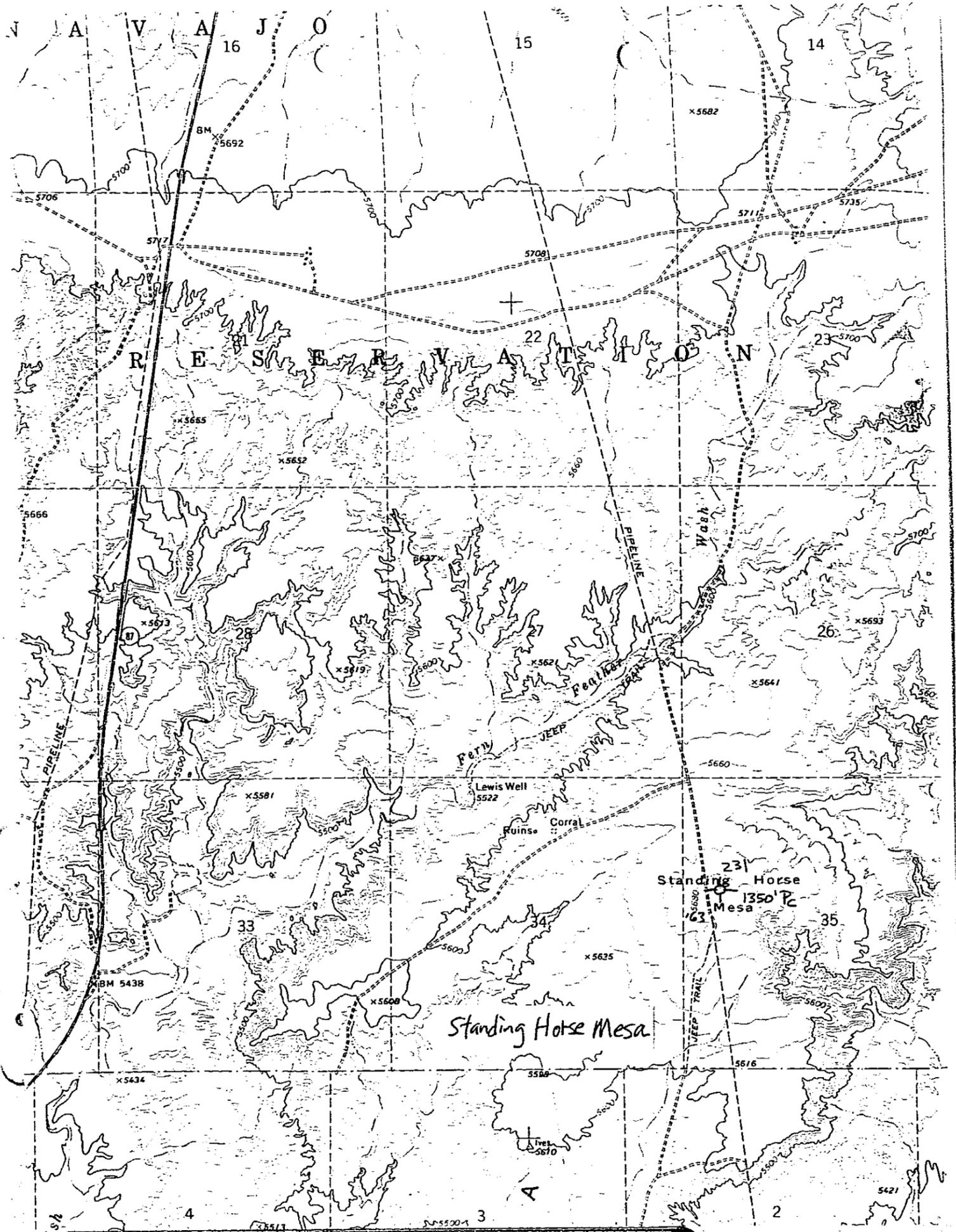
Section 35 T21N, R18E, G & SR B & M
 Well: New Mexico-Arizona Land Co. Navajo # 1
 Elevation: 5669.2' Datum: Sea Level
 County, Navajo State, Arizona

I certify that the above Survey was made
 by me during April, 1963.

Robert M. Paulsell
 Robert M. Paulsell, P.E.

ARCO ENGINEERS
 1736-A East McDowell Road
 Phoenix, Arizona

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BOND

KNOW ALL MEN BY THESE PRESENTS, BOND No. 605229

That we: WILLIAM J. GEARY D/B/A PEAK PETROLEUM COMPANY

of the County of: MARICOPA in the State of: ARIZONA

as Principal, and ROYAL INDEMNITY COMPANY, A NEW YORK CORPORATION

of 150 WILLIAM ST., NEW YORK, N.Y. 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 condition 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:

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

WELL: NEW MEXICO-ARIZONA LAND COMPANY NAVAJO #1

SW NW 35/21N/18E

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 & 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 \$2500.00

Witness our hands and seals, this 17TH day of APRIL 1963

Signature of William J. Geary, Principal

Witness our hands and seals, this 17TH day of APRIL 1963

COUNTERSIGNED FOR THE STATE OF ARIZONA Resident Agent

ROYAL INDEMNITY COMPANY E. E. JUNKER ATTORNEY IN FACT Surety

(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 April 23, 1963 Date

STATE OF ARIZONA OIL & GAS CONSERVATION COMMISSION

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Power of Attorney

No. PR-83

KNOW ALL MEN BY THESE PRESENTS: That the ROYAL INDEMNITY COMPANY, a corporation of the State of New York, pursuant to the following By-Law, which was adopted by the Directors of the said Company on September 20, 1950, to wit:

Article V, Section I, Provides "The President, any Vice-President, or any other Officer designated by the Board of Directors shall have power and authority to appoint Resident Vice-Presidents, Resident Secretaries, Resident Assistant Secretaries, and Attorneys in fact, and to give such appointees full power and authority to sign, and to seal with the Company's seal, where required, all policies, bonds, recognizances, stipulations and all underwriting undertakings, and he may at any time in his judgment remove any such appointees and revoke any authority given to them."

hath made, constituted and appointed and by these presents does make, constitute and appoint _____

E. E. JUNKER

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_____ its true and lawful ATTORNEY(S)-IN-FACT,
at DENVER, in the State of COLORADO, to make, execute and

deliver on its behalf as Surety, bonds and undertakings, the penal sum of no one of which is in any event, to exceed TWO HUNDRED FIFTY THOUSAND AND NO/100 THS - - - (\$ 250,000.00) Dollars and to be given

for the following purposes only, to wit:--

GUARANTEEING THE FIDELITY OF PERSONS HOLDING PLACES OF PUBLIC OR PRIVATE TRUST. GUARANTEEING THE PERFORMANCE OF CONTRACTS OTHER THAN INSURANCE POLICIES; GUARANTEEING THE PERFORMANCE OF INSURANCE CONTRACTS WHERE SURETY BONDS ARE ACCEPTED BY STATES AND MUNICIPALITIES IN LIEU OF ACTUAL DEPOSITS; AND EXECUTING OR GUARANTEEING BONDS AND UNDERTAKINGS REQUIRED OR PERMITTED IN ALL ACTIONS OR PROCEEDINGS OR BY LAW REQUIRED.

Such bonds and undertakings for said purposes, when duly executed by one of the aforesaid Attorney(s)-in-Fact shall be binding upon the said Company as fully and to the same extent as if such bonds and undertakings were signed by the President and Secretary of the Company and sealed with its corporate seal.

IN WITNESS WHEREOF, the ROYAL INDEMNITY COMPANY has caused these presents to be signed by its Vice-President, and its corporate seal to be hereunto affixed duly attested by its Resident Assistant Secretary, this 26th day of APRIL 1951, at the City of San Francisco, California.

Attest: A. A. CHRISTIAN
Resident Assistant Secretary

By J. C. QUALMANN Vice-President
ROYAL INDEMNITY COMPANY

STATE OF CALIFORNIA
CITY & COUNTY OF SAN FRANCISCO SS.:

On this 26th day of APRIL, 1951, before me personally appeared

J. C. QUALMANN Vice-President of the ROYAL INDEMNITY COMPANY, with whom I am personally acquainted, who, being by me duly sworn, said: that he resides in the State of California; that he is the Vice-President of the ROYAL INDEMNITY COMPANY, the corporation described in and which executed the foregoing instrument; that he knows the corporate seal of the said Company; that the seal affixed to said instrument is such corporate seal; that it was so affixed by order of the Board of Directors of said Company; and that he signed his name thereto as the Vice-President of said Company by his authority.

(SEAL) /s/

STATE OF CALIFORNIA
CITY & COUNTY OF SAN FRANCISCO } SS.:

I, L. P. MOREHOUSE Resident Assistant Secretary of the ROYAL INDEMNITY COMPANY, a corporation of the State of New York, do hereby certify that the above and foregoing is a full, true and correct copy of Power of Attorney issued by said Royal Indemnity Company, and that I have compared same with the original and that it is a correct transcript therefrom and of the whole of the original. Said Power of Attorney is still in full force and effect and has not been revoked.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed the seal of said Company, at the City of San Francisco, this 17th day of APRIL, 1952.

L. P. MOREHOUSE Resident Assistant Secretary

August 30, 1963

Mr. William J. Geary DBA
Peak Petroleum Company
514 Mile High Center
Denver 2, Colorado

Re: Drilling Bond No. 605235

Dear Bill:

In regards to your wells: Peak Petroleum Co. #1 N.M. & Arizona Land
Co. Fee Strat C/SW NW Sec. 35-T21N-R18E,
Navajo County, Arizona

Peak Petroleum Co. #2 N. M. & Arizona Land
Co. Fee Strat C/SE NW Sec. 27-T20N-R17E,
Navajo County, Arizona

I have checked the plugging data as well as the surface markers, and find that all Commission requirements are satisfied for bond release on the two wells.

Next time you drill in Arizona, I will appreciate your filling a canvas sample bag with 5 or 10 foot samples so that they can be cut and distributed. The ones from these two wells will have to be used as library samples by the Four Corners Sample Ctr.

Wishing you much success in all your undertakings, I am

Sincerely,

John K. Petty
Acting Executive Secretary

July 22, 1963

Mr. William J. Geary
Peak Petroleum Company
514 Mile High Center
Denver 2, Colorado

Dear Bill:

We have today received your well completion reports on your strat tests in Navajo County, Arizona as requested in our recent letter.

I wish to compliment you on this compliance of our rules and regulations at the suggestion which I made. If all of the operators who have drilled wells in Arizona or will drill wells in this state will furnish the information as you have done, I am sure that our records will reflect a most complete picture of the exploratory possibilities in Arizona.

Best personal regards.

Sincerely,

N. A. Ludewick
Executive Secretary

July 16, 1968

Mr. William J. Geary
Peak Petroleum Company
514 Mile High Center
Denver, Colorado

Dear Bill:

Thanks very much for sending in the Application to Plug and Abandon and the Plugging Records on your New Mexico-Arizona Land Company's Navajo No. 1 and 2 strat tests.

These will be processed as soon as John Petty can make his inspection of the well locations.

To complete our records and have a complete file on each well drilled in this state, we are insisting on a well completion form being filed. We are enclosing a supply of our Form P-7 and request that you complete and send in two copies of the form on each of the wells drilled.

I am sorry that your initial drilling venture in this state was unsuccessful; however, I am sure that you will be back one of these days. Best of luck in all of your present projects.

Yours very truly,

N. A. Ludewick
Executive Secretary

encs



SHALE-OIL DRILLING COMPANY

AIR DRILLING SPECIALISTS

514 Mile High Center

July 12, 1963

Mr. N. A. Ludewick
Executive Secretary
Oil & Gas Conservation Commission
Phoenix 7, Arizona

Dear Mr. Ludewick:

Enclosed you will find the Application to
Abandon and Plug and the Plugging Records
for the New Mexico-Arizona Land Company
Navajo # 1 and # 2 wells.

Please let me know if there are any further
requirements in plugging the above wells.

Yours very truly,

WILLIAM GEARY

WG/dk
Encls.



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May 8, 1963

Mr. William J. Geary
Peak Petroleum Company
320 Guaranty Bank Building
Phoenix 12, Arizona

Re: Your New Mexico-Arizona Land Co. Fee Strat #1
Sec. 35, T21N, R18E, Navajo County, Arizona

Dear Mr. Geary:

Enclosed is your approved copy of application to drill
the captioned test together with a receipt for your
\$25.00 permit fee.

Yours very truly,

N. A. Ludewick
Executive Secretary

encs 2

April 30, 1963

Mr. R. Keith Walden, Chairman
Oil and Gas Conservation Commission
P. O. Box 1271
Tucson, Arizona

Re: Peak Petroleum Co. - New Mexico-Arizona Land Co. Fee
Strat. #1 - Sec. 35, T21N, R18E, Navajo County, Arizona

Dear Mr. Walden:

Enclosed for your signature and approval is an application,
in duplicate, for permit to drill the captioned stratigraphic
test.

All of Mr. Geary's papers are in order - we have his \$2,500
drilling bond, his organization report, a plat of the loca-
tion and his \$25.00 check for the permit fee.

Yours very truly,

N. A. Ludewick
Executive Secretary

encs