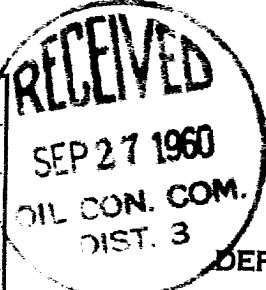
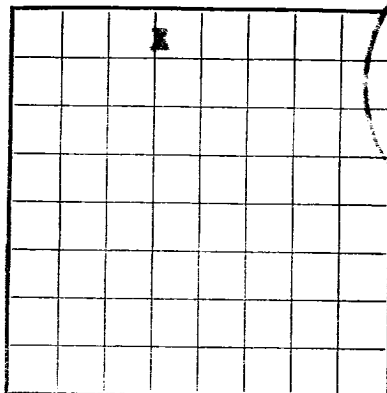


U. S. LAND OFFICE **Navajo Tribal**
SERIAL NUMBER **14-20-603-2168**
LEASE OR PERMIT TO PROSPECTUNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1560, Farmington, New Mexico
Lessor or Tract Ojo Amarillo Field Underwig, Gallup State New Mexico
Well No. 6 Sec. 28 T. 37N R. 14W Meridian NMPM County San Juan
Location 330 ft. S. of N Line and 2130 ft. E. of W Line of Section 28 Elevation 5605'
(Derrick floor relative to sea level)

The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records.

Date September 21, 1960 Signed ORIGINAL SIGNED BY: JOHN J. STRZJEK
Title Petroleum Engineer

The summary on this page is for the condition of the well at above date.

Commenced drilling July 28, 1960, 19 60 Finished drilling August 5, 19 60

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 5121 to 5130 No. 4, from _____ to _____
No. 2, from _____ to _____ No. 5, from _____ to _____
No. 3, from _____ to _____ No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from _____ to _____ No. 3, from _____ to _____
No. 2, from _____ to _____ No. 4, from _____ to _____

CASING RECORD

Size casing	Weight per foot	Threads per inch	Make	Amount	Kind of shoe	Cut and pulled from	Perforated		Purpose
							From—	To—	
9-5/8"	26.00	4	AMCO	150'	Box	5121'	5121'	5130'	Test Casing
5-1/2"	15.00	4	AMCO	200'	Box	5130'	5130'	5135'	Test Casing
HISTORY OF USE OF CASING									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8"	170'	150	Circulated		
5-1/2"	5135'	200	Pump & Plug		

PLUGS AND ADAPTERS

Heaving plug—Material _____ Length _____ Depth set _____
Adapters—Material _____ Size _____

SHOOTING RECORD

Size	Shell used	Explosive used	Quantity	Date	Depth shot	Depth cleaned out
			See "Well History"			

TOOLS USED

Rotary tools were used from _____ feet to 5200 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

August 17, 19 60 Put to producing August 21, 19 60

The production for the first 24 hours was 4.32 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. Gravity, 28.6 API 42.3

If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	663'	663	Kirtland: Gy. sh. incl. w/tight FG ss.
663	1004	341	Fruitland: Gy. carb. sh., scat. coals, coals & gy. tight FG ss.
1004	1148	144	Pictured Cliffs: Gy., FG, tight varicolored soft ss.
1148	1964	816	Lewis: Gy. to white ds. sh. w/silty to shaly ss. breaks.
1964	3543	1579	Mesa Verde: Gy., FG, ds. silty ss., carb. shale and coal.
3543	3796	253	Point Lookout: Gy., v/fn. silty ss. w/frequent shale breaks.
3796	5121	1325	Blanco: Gy. carb. shale.
5121	5200	79	Gallup: Lt. gy. to brn. calc. carb. micaceous glauconitic. V/fn. to med. gr. ss. w/irreg. incl. shale.
TOPS ARE FROM ELECTRIC LOGS AND RADIOACTIVITY LOGS.			
FROM—	TO—	TOTAL FEET	FORMATION

(OVER)

FORMATION RECORD—CONTINUED

16-48094-4

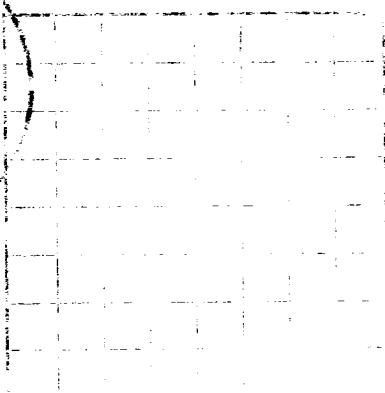
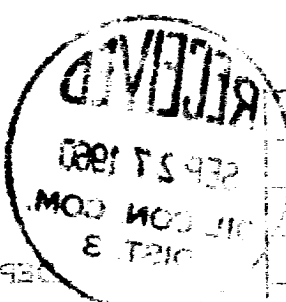
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PLEASE OR FORM NO. 7-60

FORMAL NUMBER

E. S. LANGFORD

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



TOP OF OIL OR GAS WELL

MULTI-RECORD LIBRARY SETS

The information given herewith is a copy of a report of the well and all work done thereon as far as can be determined from the available records.

Location of well and distance to $\frac{3}{4}$ mile

Well No. 1000

County of ... State of ...

Address of owner ...

Average reading pressure -- 1975 psi
 Maximum reading pressure -- 1000 psi
 Minimum reading pressure -- 1000 psi

Core 45 from 5160' to 5185'. Recovered 25'.
 15-60 50% water. 5185-5190'.
 15-60 50% water. 5190-5195'.
 15-60 50% water. 5195-5200'.
 15-60 50% water. 5200-5205'.
 15-60 50% water. 5205-5210'.
 15-60 50% water. 5210-5215'.
 15-60 50% water. 5215-5220'.
 15-60 50% water. 5220-5225'.
 15-60 50% water. 5225-5230'.
 15-60 50% water. 5230-5235'.
 15-60 50% water. 5235-5240'.
 15-60 50% water. 5240-5245'.
 15-60 50% water. 5245-5250'.
 15-60 50% water. 5250-5255'.
 15-60 50% water. 5255-5260'.
 15-60 50% water. 5260-5265'.
 15-60 50% water. 5265-5270'.
 15-60 50% water. 5270-5275'.
 15-60 50% water. 5275-5280'.
 15-60 50% water. 5280-5285'.
 15-60 50% water. 5285-5290'.
 15-60 50% water. 5290-5295'.
 15-60 50% water. 5295-5300'.
 15-60 50% water. 5300-5305'.
 15-60 50% water. 5305-5310'.
 15-60 50% water. 5310-5315'.
 15-60 50% water. 5315-5320'.
 15-60 50% water. 5320-5325'.
 15-60 50% water. 5325-5330'.
 15-60 50% water. 5330-5335'.
 15-60 50% water. 5335-5340'.
 15-60 50% water. 5340-5345'.
 15-60 50% water. 5345-5350'.
 15-60 50% water. 5350-5355'.
 15-60 50% water. 5355-5360'.
 15-60 50% water. 5360-5365'.
 15-60 50% water. 5365-5370'.
 15-60 50% water. 5370-5375'.
 15-60 50% water. 5375-5380'.
 15-60 50% water. 5380-5385'.
 15-60 50% water. 5385-5390'.
 15-60 50% water. 5390-5395'.
 15-60 50% water. 5395-5400'.
 15-60 50% water. 5400-5405'.
 15-60 50% water. 5405-5410'.
 15-60 50% water. 5410-5415'.
 15-60 50% water. 5415-5420'.
 15-60 50% water. 5420-5425'.
 15-60 50% water. 5425-5430'.
 15-60 50% water. 5430-5435'.
 15-60 50% water. 5435-5440'.
 15-60 50% water. 5440-5445'.
 15-60 50% water. 5445-5450'.
 15-60 50% water. 5450-5455'.
 15-60 50% water. 5455-5460'.
 15-60 50% water. 5460-5465'.
 15-60 50% water. 5465-5470'.
 15-60 50% water. 5470-5475'.
 15-60 50% water. 5475-5480'.
 15-60 50% water. 5480-5485'.
 15-60 50% water. 5485-5490'.
 15-60 50% water. 5490-5495'.
 15-60 50% water. 5495-5500'.
 15-60 50% water. 5500-5505'.
 15-60 50% water. 5505-5510'.
 15-60 50% water. 5510-5515'.
 15-60 50% water. 5515-5520'.
 15-60 50% water. 5520-5525'.
 15-60 50% water. 5525-5530'.
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 15-60 50% water. 5535-5540'.
 15-60 50% water. 5540-5545'.
 15-60 50% water. 5545-5550'.
 15-60 50% water. 5550-5555'.
 15-60 50% water. 5555-5560'.
 15-60 50% water. 5560-5565'.
 15-60 50% water. 5565-5570'.
 15-60 50% water. 5570-5575'.
 15-60 50% water. 5575-5580'.
 15-60 50% water. 5580-5585'.
 15-60 50% water. 5585-5590'.
 15-60 50% water. 5590-5595'.
 15-60 50% water. 5595-5600'.
 15-60 50% water. 5600-5605'.
 15-60 50% water. 5605-5610'.
 15-60 50% water. 5610-5615'.
 15-60 50% water. 5615-5620'.
 15-60 50% water. 5620-5625'.
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 15-60 50% water. 5630-5635'.
 15-60 50% water. 5635-5640'.
 15-60 50% water. 5640-5645'.
 15-60 50% water. 5645-5650'.
 15-60 50% water. 5650-5655'.
 15-60 50% water. 5655-5660'.
 15-60 50% water. 5660-5665'.
 15-60 50% water. 5665-5670'.
 15-60 50% water. 5670-5675'.
 15-60 50% water. 5675-5680'.
 15-60 50% water. 5680-5685'.
 15-60 50% water. 5685-5690'.
 15-60 50% water. 5690-5695'.
 15-60 50% water. 5695-5700'.
 15-60 50% water. 5700-5705'.
 15-60 50% water. 5705-5710'.
 15-60 50% water. 5710-5715'.
 15-60 50% water. 5715-5720'.
 15-60 50% water. 5720-5725'.
 15-60 50% water. 5725-5730'.
 15-60 50% water. 5730-5735'.
 15-60 50% water. 5735-5740'.
 15-60 50% water. 5740-5745'.
 15-60 50% water. 5745-5750'.
 15-60 50% water. 5750-5755'.
 15-60 50% water. 5755-5760'.
 15-60 50% water. 5760-5765'.
 15-60 50% water. 5765-5770'.
 15-60 50% water. 5770-5775'.
 15-60 50% water. 5775-5780'.
 15-60 50% water. 5780-5785'.
 15-60 50% water. 5785-5790'.
 15-60 50% water. 5790-5795'.
 15-60 50% water. 5795-5800'.
 15-60 50% water. 5800-5805'.
 15-60 50% water. 5805-5810'.
 15-60 50% water. 5810-5815'.
 15-60 50% water. 5815-5820'.
 15-60 50% water. 5820-5825'.
 15-60 50% water. 5825-5830'.
 15-60 50% water. 5830-5835'.
 15-60 50% water. 5835-5840'.
 15-60 50% water. 5840-5845'.
 15-60 50% water. 5845-5850'.
 15-60 50% water. 5850-5855'.
 15-60 50% water. 5855-5860'.
 15-60 50% water. 5860-5865'.
 15-60 50% water. 5865-5870'.
 15-60 50% water. 5870-5875'.
 15-60 50% water. 5875-5880'.
 15-60 50% water. 5880-5885'.
 15-60 50% water. 5885-5890'.
 15-60 50% water. 5890-5895'.
 15-60 50% water. 5895-5900'.
 15-60 50% water. 5900-5905'.
 15-60 50% water. 5905-5910'.
 15-6

Core # from 5123 to 5125, recovered 10' (6' estimated sand, 4' mud and shale, and 1' shale)
(Dipole log pg G)
OIL OR GAS BANDS OR ZONES

10-11-68

Core 42 from 5141.5' to 5141.5' in 5141.5' to 5141.5' (sand and 1-1/2' shale)

1-63-60 (Core 4 from 2039' to 2104'; Recovered 4 1/2" (7" shale and 2 1/2" sand)

RECORD RECORDED

[illegible]

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of reworking, together with the reasons for the work and its results. If there were any changes made in the casing, state fully, and if any casing was "sidetracked" or left in the well, give its size and location. If the well has been dynamited, give date, size, position, and number of shots. If plugs or bridges were put in to test for water, state kind of material used, position, and results of pumping or balling.

HISTORY OF OIL OR GAS WELL

16-48081-2 U. S. GOVERNMENT PRINTING OFFICE

[illegible]

7-10-57
KSRAM