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LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
SANTA FE, NEW MEXICO
**CERTIFICATE OF COMPLIANCE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS**

FORM C-110
(Rev. 7-60)

FILE THE ORIGINAL AND 4 COPIES WITH THE APPROPRIATE OFFICE

Company or Operator Shar-Alan Oil Company				Lease Jicarilla "G" No. 160		Well No. 4	
Unit Letter D	Section 14	Township 23 North	Range 2 West		County Rio Arriba		
Pool El Paso				Kind of Lease (State, Fed, Fee)			
If well produces oil or condensate give location of tanks			Unit Letter	Section	Township	Range	
Authorized transporter of oil ☐ or condensate ☐				Address (give address to which approved copy of this form is to be sent)			
Is Gas Actually Connected? Yes ☐ No ☒							
Authorized transporter of casing head gas ☐ or dry gas ☒			Date Connected	Address (give address to which approved copy of this form is to be sent)			
El Paso Natural Gas Company				1402 Denver U. S. National Center Denver 2, Colorado			

If gas is not being sold, give reasons and also explain its present disposition:

Awaiting pipeline connection.

REASON(S) FOR FILING (please check proper box)

New Well ☒ Change in Ownership ☐
 Change in Transporter (check one) Other (explain below)
 Oil ☐ Dry Gas ☐
 Casing head gas . ☐ Condensate . ☐

Remarks



The undersigned certifies that the Rules and Regulations of the Oil Conservation Commission have been complied with.

Executed this the 30th day of September, 19 63.

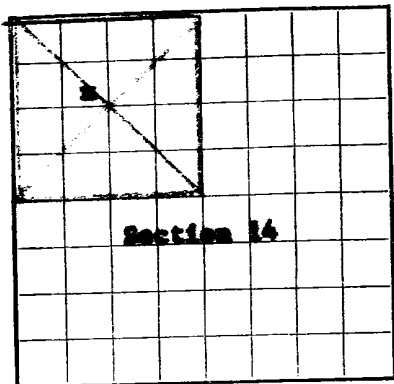
OIL CONSERVATION COMMISSION		By Richard S. Hunt	ORIGINAL SIGNED BY RICHARD S. HUNT
Approved by Original Signed By A. R. KENDRICK		Title Mgr. of Lands & Explorations	
Title PETROLEUM ENGINEER DIST. NO. 3		Company Shar-Alan Oil Company	
Date SEP 27 1963		Address 1402 Denver U. S. National Center Denver 2, Colorado	



LTR



Job separation sheet



LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER _____
LEASE OR PERMIT TO PROSPECT _____
Jic. Tribal Oil & Gas Lease No. 160
UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company Sher-Alan Oil Company Address 1402 Denver U. S. National Center
Lessor or Tract Jicarilla "C" No. 160 Field Undesignated State New Mexico
Well No. 4 Sec. 14 T. 23N R. 2W Meridian BPM County Rio Arriba
Location 960 ft. N of N Line and 310 ft. E of W Line of NW/4 Elevation 7236.6
(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.Signed Richard S. HuntDate September 30, 1963 Title Mgr. of Lands & Explorations

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

Commenced drilling 11-29-62, 19____ Finished drilling 12-3-62, 19____

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 2957 to 2962 (G) No. 4, from _____ to _____
No. 2, from 2963 to 2984 (G) 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—	
8 5/8"	26.5	8	CP	2957			2957	2962	Oil
4 1/2"	13.5	8	CP	2963			2963	2984	Oil
1 1/4"	2.4	8	CP	2927					Gravel

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8 5/8"	97'	60	Halliburton		
4 1/2"	3046'	75	"		

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

TOOLS USED

Rotary tools were used from -0- feet to 3075 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing _____, 19____

The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____%
emulsion; _____% water; and _____% sediment. Gravity, °Bé. _____If gas well, cu. ft. per 24 hours 1860 MCF Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

_____, Driller _____, Driller
Rayco Drilling Company, Driller _____, Driller
Farmington, New Mexico

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
2570	2800	230	Ojo Alamo
2800	2922	122	Kirtland
2922	2946	24	Fruitland
2946	2984	38	Pictured Cliffs
	3075		Total depth

Perforated as shown above with 2 holes per foot. Frac treated down casing with 30,000#
sand and 35,000 gallons water. Dropped 20 balls. Breakdown pressure 1700#. Treating
pressure 1700-1800 psi. Instant shut-in pressure 300 psi. Injection rate 41 BPM.
Ran 1 1/4" tubing to 2927.

3 hr Back Pressure test run 6-29-63. Charts Attached.

FROM—

TO—

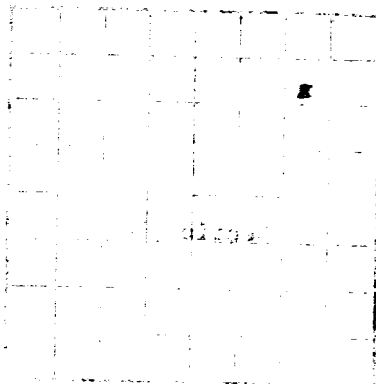
TOTAL FEET

FORMATION

(OVER)

FORMATION RECORD—CONTINUED

16-48894-4



LISTEN AND NO NO TO YOU

It is of the greatest importance to have a complete history of the well. Please state in detail the dates of redrilling, 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 bailing.

HISTORY OF OIL OR GAS WELL

U. S. GOVERNMENT PRINTING OFFICE 16-53094-2

[illegible]

104511
FORMATION RECORD—Continued