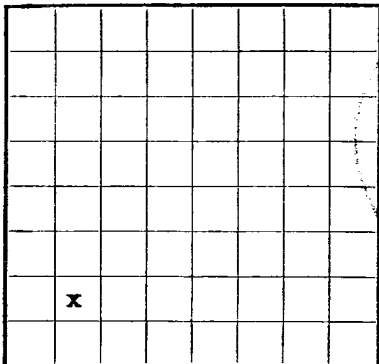
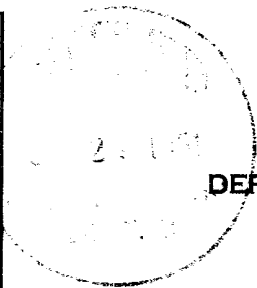




LOCATE WELL CORRECTLY

U. S. LAND OFFICE Santa Fe
SERIAL NUMBER NM 03606
LEASE OR PERMIT TO PROSPECT OxnardUNITED STATES
DEPARTMENT OF THE INTERIOR

GEOLOGICAL SURVEY

WORKOVER OF HUAL
CONSTITUTION OF THE
FEDERAL

LOG OF OIL OR GAS WELL

Company Western Natural Gas Company Address 823 Midland Tower, Midland, Texas
Lessor or Tract Oxnard Field So. Blanco P.C. State New Mexico
Well No. 1 Sec. 14 T. 27N. R. 3W. Meridian N.M.P.M. County San Juan
Location 290 ft. N. of S. Line and 375 ft. E. of W. Line of 14-27N-3W Elevation 6001
(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 Paul WoodwardDate 7-20-61Title Office Manager

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

Commenced drilling January 8, 1953 Finished drilling May 16, 1953

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 216 to 2234G No. 4, from _____ to _____
No. 2, from 4535 to 4756G 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	45#	8	Nat'l	150	Reg				Surface Production
5 1/2	15.5#	8	Nat'l	4375	Baker				
2 3/8	4.7#	8	J-55	4204					
4 1/2	14#	Hydril	(14 1/2 in. 3891)	Slotted liner set at 4691 ft.					

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9 5/8	1531	175	Haliburton		
5 1/2	4375	275	Haliburton		

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
4"	4 in. 20		720	5-53	445-4775	4775

TOOLS USED

Rotary tools were used from _____ feet to 4775 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

July 20, 1961 Put to production July 17, 1961

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 923,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. _____

EMPLOYEES

Bill Roden, Driller _____, Driller
Dick Schmidt, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	1500	1500	Sand with shale breaks
1500	1930	430	Shale with thin sand stringers
1930	2210	280	Sand, shale and coal broken
2210	2290	80	Sand with thin shale breaks
2290	3875	1585	Shale with thin sand breaks
3875	3910	35	Sand
3910	4535	625	Broken sand, shale and coal
4535	4756	221	Sand with shale breaks

(OVER)

15-43094-4

FORMATION RECORD—Continued[illegible]

HISTORY OF OIL OR GAS WELL

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.

Set retrievable "RF" on wireline at 3199'. Loaded hole with H₂O and pressured up to 1200' for 30 minutes. Held 0.1. Perforated 4 jet shots at 3650'. Ran BOT full bore packer on tubing and set at 3851' and pressure tested. Held 0.1. Pressured packer to 1200' and spotted cement. Cemented with 350 sx 50-50 pozmix and 4375# gilsonite mixed 12.5% / gal. pulled packer and ran temperature survey and found top of cement at 1510'. Cleaned out cement to top of "H". Pressure tested 1200' for 30 minutes, held 0.1. Pulled "H". Cleaned out original open hole w/gas and 4 3/4" bit to 4315'. Ran 14 joints (3891') 4 1/2" OL flush joint 14# D as slotted liner and set on 2" tubing at 4691'. Fraced Mesa Verde down 5 1/2" 15.5% J-55 casing with 50,000 gals H₂O, 500 gals reg 15% acid and 50,000 20/40 sd. Maximum and minimum pressures were 1400 and 1500 psig respectively. Average injection rate was 4.5 bbls/hr Baker Model "I" production packer with extendable plug on wireline and set at 4225'. Pressure tested 4 cementing holes with 1250 psig for 30 minutes. Held 0.1. Ran Baker retrievable "H" and set at 2660'. Ran GR log and perforated 4 jets from 2216' to 2124' (Pictured Cliffs). Fraced down casing with 40,000 gals H₂O, 40,000 20/40 sand and 50,000 20/40 regular 15% acid. Maximum and minimum pressures were 1400 and 1500 psig respectively. Overall injection rate 47.1 bbls/hr. Retrieved "H". Ran in final completion string consisting of 5' Baker production tube, seal assembly and locator only, three joints 2" API 5L 1430 MSE tubing, Ottawa 19 1/2" sliding sleeve, followed by 1/3 joints 2" tubing with one joint rubber lined spaced orosilite Pictured Cliffs. Latched into permanent liner with 10,000 lb porosity. Flowing and cleaning up both zones.

FOOTNOTES CORRECTED

TOP OF ONE OF TWO LEFT

GEOLOGICUS APKAEK

DEVELOPMENT OF THE LESIONS

041150 2 041150

[illegible]

the 1990s, the number of people in the world who are illiterate has increased from 750 million to 850 million. The number of illiterate people in the world is expected to increase to 900 million by the year 2015. The number of illiterate people in the world is expected to increase to 950 million by the year 2020. The number of illiterate people in the world is expected to increase to 1 billion by the year 2025. The number of illiterate people in the world is expected to increase to 1.1 billion by the year 2030. The number of illiterate people in the world is expected to increase to 1.2 billion by the year 2035. The number of illiterate people in the world is expected to increase to 1.3 billion by the year 2040. The number of illiterate people in the world is expected to increase to 1.4 billion by the year 2045. The number of illiterate people in the world is expected to increase to 1.5 billion by the year 2050. The number of illiterate people in the world is expected to increase to 1.6 billion by the year 2055. The number of illiterate people in the world is expected to increase to 1.7 billion by the year 2060. The number of illiterate people in the world is expected to increase to 1.8 billion by the year 2065. The number of illiterate people in the world is expected to increase to 1.9 billion by the year 2070. The number of illiterate people in the world is expected to increase to 2 billion by the year 2075. The number of illiterate people in the world is expected to increase to 2.1 billion by the year 2080. The number of illiterate people in the world is expected to increase to 2.2 billion by the year 2085. The number of illiterate people in the world is expected to increase to 2.3 billion by the year 2090. The number of illiterate people in the world is expected to increase to 2.4 billion by the year 2095. The number of illiterate people in the world is expected to increase to 2.5 billion by the year 2100.