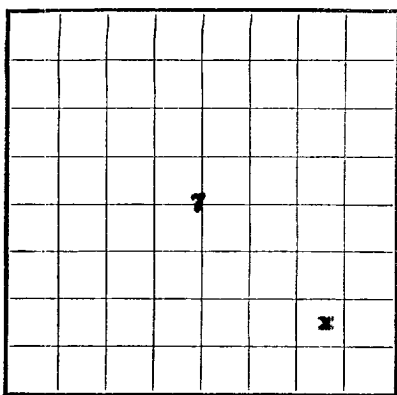


U. S. LAND OFFICE **SANTA FE**SERIAL NUMBER **SP-080380-A**

LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

Company **NORTHWEST PRODUCTION CORPORATION** Address **520 SINDS BUILDING, ALBUQUERQUE, N. M.**
Lessor or Tract **BLANCO 29-12** Field **ASIN DARTTA** State **NEW MEXICO**
Well No. **1-7** Sec. **7** T. **29N** R. **12W** Meridian **NMPM** County **SAN JUAN**
Location **1190** ft. **N** of **S** Line and **890** ft. **E** of **E** Line of **SECTION 7** Elevation **5596** UNDER
(Derrick floor relative to sea level **5292**)

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 **RAY PHILLIPS**Date **NOVEMBER 30, 1960**Title **MR. PROD. OPER.**

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

Commenced drilling **OCTOBER 30**, 19 **60** Finished drilling **NOVEMBER 11**, 19 **60**

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from **6087** to **6082** No. 4, from _____ to _____
No. 2, from **6083** to **6106** No. 5, from _____ to _____
No. 3, from **6164** to **4187** No. 6, from _____ to _____

IMPORTANT WATER SANDS

No. 1, from **NONE** 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	32.3	8HD	CP&I	352.34	TEX PTN				DRIFT
4-1/2	9.5	8HD	SPANG	278.58					
4-1/8	11.6	8HD	SPANG	517.63	GUIDE		6087	6107	PROD.

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
9-5/8	265	200 w/2% CaCl₂	HONCO		
4-1/2	6331	350 of 50:50 PORTLAND	HONCO		
4-1/8	1000	100	HONCO		

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 **6333** feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

NOVEMBER 30, 19 **60** 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, **NO** ft. per 24 hours **CAOF 3548** Gallons gasoline per 1,000 cu. ft. of gas _____

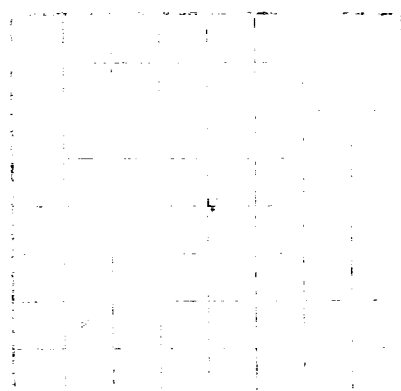
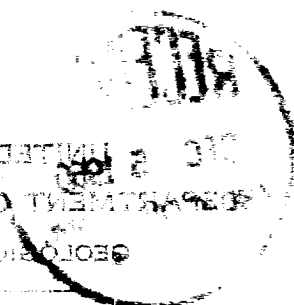
Rock pressure, lbs. per sq. in. **51 TP 1990. CP 2064**

EMPLOYEES

M. B. JONES, CONSULTING ENGR., Driller _____
_____, Driller _____

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
0	303	303	Surface
303	1280	977	Kirtland - shale
1280	1570	290	Fruitland - shale & coal
1570	1690	120	Pictured Cliffs - sand
1690	3100	1410	Lewis - shale w/thin sand stringers
3100	3240	140	Cliff House - sand
3240	3975	735	Menefee - sand, shale & coal
3975	4175	200	Point Lookout - sand
4175	5226	1051	Upper Mancos - shale
5226	5754	528	Gallup - Sand & sandy shale
5754	5976	222	Lower Mancos - Shale
5976	6036	60	Greenhorn - Limestone & shale
6036	6082	46	Graneros - Shale
6082	6316	234	Dakota - Sand w/shale streaks
6316	6333	17	Morrison - Sandy shale



TOP OF OIL OR GAS WELL

1. The following information is being furnished to you for your information: Computer File No. 100-456789
 2. This information is being furnished to you for your information: Date of Birth: 01/01/1945
 3. The following information is being furnished to you for your information: Social Security Number: 123-45-6789
 4. The following information is being furnished to you for your information: Place of Birth: New York, New York
 5. The following information is being furnished to you for your information: Date of Death: 01/01/1995
 6. The following information is being furnished to you for your information: Cause of Death: Heart Disease
 7. The following information is being furnished to you for your information: Place of Death: New York, New York
 8. The following information is being furnished to you for your information: Date of Burial: 01/01/1995
 9. The following information is being furnished to you for your information: Place of Burial: New York, New York
 10. The following information is being furnished to you for your information: Date of Cremation: 01/01/1995
 11. The following information is being furnished to you for your information: Place of Cremation: New York, New York
 12. The following information is being furnished to you for your information: Date of Interment: 01/01/1995
 13. The following information is being furnished to you for your information: Place of Interment: New York, New York
 14. The following information is being furnished to you for your information: Date of Reinterment: 01/01/1995
 15. The following information is being furnished to you for your information: Place of Reinterment: New York, New York

DRILL 2-3/4" HOLE TO 5864. A REDUCED HOLE TO 7-7/8" TO TOTAL DEPTH OF 6333'. RAN 16 JTS 4-1/2" OD 11.66 J-55, SHD 2 184 JTS 4-1/2" 9.54 J-55, SHD CAG WITH RUBBER GUIDE SHOE AND RIGHT COLLAR. WITH HAKER DV TOOL, T.K. 6330. OUT AT 6331. W/DV TOOL AT 1088'. COMMENTED 1ST STAGE W/250 EX 20:50 DOWNHOLE W/4% SOL. FOR 2:15 W.M. 11-10-60. COMMENTED 2ND STAGE 12TH DV TOOL W/200 EX REG. FOR 5:45 W.M. 11-10-60. PRESSURE TO 2200 PSI. WILD IV TOOL AND PRESSURE TO 1800 PSI FOR 30 MINS. OK. CLAMMED OUT TO 6270. & RELEASED ILS 11-11-60. NO COMPLETION UNIT.

TD 6333'. MD 6270'. PART 4-1/2" CAG W/2 JETS/IT FROM 6187-6164, 6106-6098, 6082-6087. FROM W/50,000 PSI GALLON W/2 30,000 30-40 MINS W/25 MINS. SHD 2500 PSI. AVG TRWT 2500 PSI. MAX 2400 PSI. FINAL 1500 PSI. 2 MINS AT 900 PSI. AVG IR 56.6 MPM. CIRCULATED 120' SAND FROM HOLE. RAN 186 JTS 2-3/8" OD J-55 4.7# TDG WITH OVER-PLANNED COLLAR, T.K. 6270.11. HUNG AT 6180.83'. MADE TWO SAND RANS & WELL KICKED OFF. RELEASED UNIT 6:00 P.M. 11-15-60. TESTING.

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 piers 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: 1968-2

[illegible]