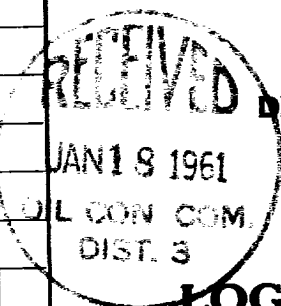
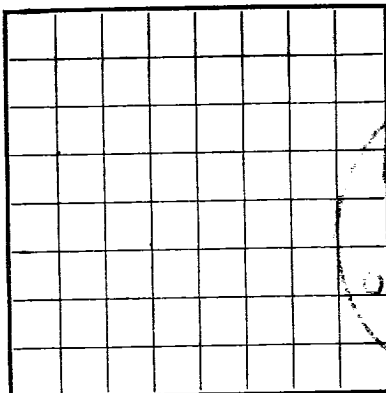


4-MMS
2-Skelly
1-A.K. Lloyd1-Murphy
1-Intern Oil
1-FileBudget Bureau No. 42-R285.4.
Approval expires 12-31-60.U. S. LAND OFFICE
SERIAL NUMBER
LEASE OR PERMIT TO PROSPECT

Santa Fe

No. 01486-1

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYRECEIVED
JAN 17 1961U. S. GEOLOGICAL SURVEY
FARMINGTON, NEW MEXICO

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company International Oil Company Address 2010 Republic Bank Bldg., Dallas, Texas
Lessor or Tract Fogelson Field Basin State New Mexico
Well No. 2-11 Sec. 11 T. 29N R. 11W Meridian RMN County San Juan
Location 1650 ft. N. of N Line and 1120 ft. E. of W Line of Sec 11 Elevation 5641
(Derick 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 1-11-61 Signed _____ Title Consulting Engineer

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

Commenced drilling 11-8-, 60 Finished drilling 11-24, 1960

OIL OR GAS SANDS OR ZONES

(Denote gas by G)

No. 1, from 6364 to 6346 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—	
8-5/8	26.1	17.5	17.5	300	pump-plug				
5 1/2	64.4	300							
HISTORY OF OIL OR GAS WELL									
TO—3000-3 0' 0' COARSENESS DRILLING CHANCE									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	26.1	17.5	pump-plug		
5 1/2	64.4	300			

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
6364-74, 6426-68, 6490-48, 6510-25, 6536-48						
116,000 gal and 124,600 gal water						

TOOLS USED

Rotary tools were used from surface feet to 5670 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

Put to producing _____, 19____
12-16, 60

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 3,999,000 Gallons gasoline per 1,000 cu. ft. of gas _____

Rock pressure, lbs. per sq. in. 2076 psig avg CACW 4106

_____, Driller _____, Driller
Gardner Bros., Driller Cent.
_____, Driller T. A. Dugan, Engineer, Dallas

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
			Pictured Cliffs 1926'
			Louis 2003'
			Mesa Verde 3586'
			Point Lockout 4324'
			Mancos 4544'
			Gallup 5490'
			Greenhorn 6244'
			Graneros 6302'
			Dakota 6363'
FROM—	TO—	LOVEY FEEL	FORMATION

FORMATION RECORD—CONTINUED

U.S. LAND OFFICE
SERIAL NUMBER
LEASE ON PERMIT TO PROSPECT

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

FOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

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 _____

Witness _____

Location _____ of _____ of _____
 Sec. _____ T. _____ R. _____
 Well No. _____

Less or Trust _____
 Company _____

Address _____
 State _____
 County _____

Completed drilling _____ ft. _____ in. _____
The summary on this page is for the condition of the well at above date.
Date _____
Title _____

OIL OR GAS SANDS OR ZONES

Q. And you agree?

No. 1 from _____ to _____
No. 2 from _____ to _____
No. 3 from _____ to _____
No. 4 from _____ to _____
No. 5 from _____ to _____
No. 6 from _____ to _____

IMPORTANT WATER SANDS

No. 3 from _____ to _____
No. 4 from _____ to _____

CASING RECORD

Weight per foot	Threads per inch	Marks	Amount	Kind of shoe	Cut and pulled from	Extruded From	To	Purpose
--------------------	---------------------	-------	--------	--------------	---------------------	------------------	----	---------

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 the 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

Size of cement bags	Wt. per bag	Number bags of cement	Method used	Mud gravity	Amount of mud used
5	94	10	10	10	10
5	94	10	10	10	10

PLUGS AND ADAPTERS

Material	Quantity	Material	Quantity
Aluminum	100	Aluminum	100
Steel	200	Steel	200
Copper	50	Copper	50
Brass	25	Brass	25
Iron	150	Iron	150
Lead	75	Lead	75
Zinc	30	Zinc	30
Nickel	10	Nickel	10
Chromium	5	Chromium	5
Manganese	2	Manganese	2
Silicon	1	Silicon	1
Phosphorus	0.5	Phosphorus	0.5
Sulfur	0.2	Sulfur	0.2
Carbon	0.1	Carbon	0.1
Nitrogen	0.05	Nitrogen	0.05
Oxygen	0.01	Oxygen	0.01
Hydrogen	0.005	Hydrogen	0.005
Helium	0.001	Helium	0.001
Neon	0.0005	Neon	0.0005
Argon	0.0002	Argon	0.0002
Krypton	0.0001	Krypton	0.0001
Xenon	0.00005	Xenon	0.00005
Radium	0.00001	Radium	0.00001
Polonium	0.000005	Polonium	0.000005
Actinium	0.000001	Actinium	0.000001
Thorium	0.0000005	Thorium	0.0000005
Uranium	0.0000001	Uranium	0.0000001
Plutonium	0.00000005	Plutonium	0.00000005
Neptunium	0.00000001	Neptunium	0.00000001
Protactinium	0.000000005	Protactinium	0.000000005
Antimony	0.000000001	Antimony	0.000000001
Vanadium	0.0000000005	Vanadium	0.0000000005
Chromium	0.0000000001	Chromium	0.0000000001
Manganese	0.00000000005	Manganese	0.00000000005
Silicon	0.00000000001	Silicon	0.00000000001
Phosphorus	0.000000000005	Phosphorus	0.000000000005
Sulfur	0.000000000001	Sulfur	0.000000000001
Carbon	0.0000000000005	Carbon	0.0000000000005
Nitrogen	0.0000000000001	Nitrogen	0.0000000000001
Oxygen	0.00000000000005	Oxygen	0.00000000000005
Hydrogen	0.00000000000001	Hydrogen	0.00000000000001
Helium	0.000000000000005	Helium	0.000000000000005
Neon	0.000000000000001	Neon	0.000000000000001
Argon	0.0000000000000005	Argon	0.0000000000000005
Krypton	0.0000000000000001	Krypton	0.0000000000000001
Xenon	0.00000000000000005	Xenon	0.00000000000000005
Radium	0.00000000000000001	Radium	0.00000000000000001
Polonium	0.000000000000000005	Polonium	0.000000000000000005
Actinium	0.000000000000000001	Actinium	0.000000000000000001
Thorium	0.0000000000000000005	Thorium	0.0000000000000000005
Uranium	0.0000000000000000001	Uranium	0.0000000000000000001
Plutonium	0.00000000000000000005	Plutonium	0.00000000000000000005
Neptunium	0.00000000000000000001	Neptunium	0.00000000000000000001
Protactinium	0.000000000000000000005	Protactinium	0.000000000000000000005
Antimony	0.000000000000000000001	Antimony	0.000000000000000000001
Vanadium	0.0000000000000000000005	Vanadium	0.0000000000000000000005
Chromium	0.0000000000000000000001	Chromium	0.0000000000000000000001
Manganese	0.00000000000000000000005	Manganese	0.00000000000000000000005
Silicon	0.00000000000000000000001	Silicon	0.00000000000000000000001
Phosphorus	0.000000000000000000000005	Phosphorus	0.000000000000000000000005
Sulfur	0.000000000000000000000001	Sulfur	0.000000000000000000000001
Carbon	0.0000000000000000000000005	Carbon	0.0000000000000000000000005
Nitrogen	0.0000000000000000000000001	Nitrogen	0.0000000000000000000000001
Oxygen	0.00000000000000000000000005	Oxygen	0.00000000000000000000000005
Hydrogen	0.00000000000000000000000001	Hydrogen	0.00000000000000000000000001
Helium	0.000000000000000000000000005	Helium	0.000000000000000000000000005
Neon			

SHOOTING RECORD

Size	Shelf life	Exposure time	Quantity	Rate	Debit sheet	Debit cleared out

TOOLS USED

Rotary tools were used from	feet to	feet, and from	feet to
feet			
Rotary tools were used from	feet to	feet, and from	feet to
feet			

DATE

emulsion; ... of water; and ... of sediment	10	10
The production for the first 24 hours was	10	10
Part to producing	10	10

EMPLOYEES

Driver			
Driver			

FORMATION RECORD

FROM-	TO-	TOTAL FEET	FORMATION
			1. 10000
			2. 10000
			3. 10000
			4. 10000
			5. 10000
			6. 10000
			7. 10000
			8. 10000
			9. 10000
			10. 10000
			11. 10000
			12. 10000
			13. 10000
			14. 10000
			15. 10000
			16. 10000
			17. 10000
			18. 10000
			19. 10000
			20. 10000
			21. 10000
			22. 10000
			23. 10000
			24. 10000
			25. 10000
			26. 10000
			27. 10000
			28. 10000
			29. 10000
			30. 10000
			31. 10000
			32. 10000
			33. 10000
			34. 10000
			35. 10000
			36. 10000
			37. 10000
			38. 10000
			39. 10000
			40. 10000
			41. 10000
			42. 10000
			43. 10000
			44. 10000
			45. 10000
			46. 10000
			47. 10000
			48. 10000
			49. 10000
			50. 10000
			51. 10000
			52. 10000
			53. 10000
			54. 10000
			55. 10000
			56. 10000
			57. 10000
			58. 10000
			59. 10000
			60. 10000
			61. 10000
			62. 10000
			63. 10000
			64. 10000
			65. 10000
			66. 10000
			67. 10000
			68. 10000
			69. 10000
			70. 10000
			71. 10000
			72. 10000
			73. 10000
			74. 10000
			75. 10000
			76. 10000
			77. 10000
			78. 10000
			79. 10000
			80. 10000
			81. 10000
			82. 10000
			83. 10000
			84. 10000
			85. 10000
			86. 10000
			87. 10000
			88. 10000
			89. 10000
			90. 10000
			91. 10000
			92. 10000
			93. 10000
			94. 10000
			95. 10000
			96. 10000
			97. 10000
			98. 10000
			99. 10000
			100. 10000

FORMATION RECORD—Continued