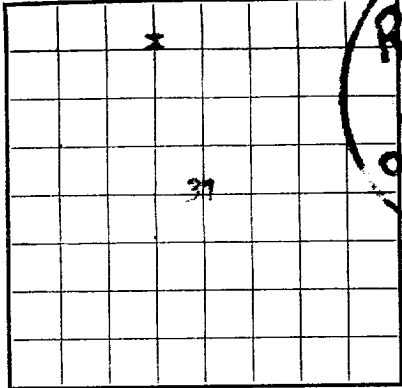


Ute Mountain Tribal
U. S. LAND OFFICE
SERIAL NUMBER 14-20-604-34
LEASE OR PERMIT TO PROSPECT



LOCATE WELL CORRECTLY

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
JUN 20 1960

LOG OF OIL OR GAS WELL
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

Company Three States Natural Gas Company Address Box 67, Farmington, New Mexico
Lessor or Tract Tribal Field Yarda Gallup State New Mexico
Well No. 11 Sec. 31 T. 31N R. 14W Meridian 10E County San Juan
Location 662 ft. [N.] of N. Line and 1930 ft. [E.] of W. Line of Sec. 31 Elevation 4443
(Derriek 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 _____
Date 6-14-60 Title _____

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

Commenced drilling 5-16-60, 19____ Finished drilling 5-25-60, 19____

OIL OR GAS SANDS OR ZONES
(Denote gas by G)

No. 1, from 4700 to 4745 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 2705 to 3450 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	45.0	8	JEL	150.73	OFF OK CYS A EFF				Liner
5-1/2	4.5	Flush ft.		1597.92					Case
4-1/2	4.70	8 & 10V							
2"									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
8-5/8	141.22'	100	HOWCO		
5-1/2	4606.50				
4-1/2	4745-4594' w/4 - 6" slots per ft. from 4745-4621.66'				
2-3/8	4669.72				

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 4745 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

_____, 19____ Put to producing 6-14-60, 19____

The production for the first 24 hours was 100 barrels of fluid of which 100 % was oil; 0 % emulsion; 0 % water; and 0 % sediment. GOR 35 cu. ft. Gravity, °Bé. 40.6

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	1632	1632	Shale Lewis
1632	1947	315	Shale & sand
1947	2341	394	Shale
2341	2638	297	Shale & sand
2638	2972	334	Hardy shale
2972	3249	277	Shale
3249	3584	335	Sand & shale
3584	3770	186	Shale
3770	4044	274	Sand & shale
4044	4192	148	Shale
4192	4406	214	Shale & sand
4406	4577	171	Shale
4577	4706	29	Shale & sand
4706	4745 T.D.	139	Shale
			Point Lookout 3405'
			Upper Gallup 4450'
			Lower Gallup 4700
FROM—	TO—	TOTAL FEET	FORMATION

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
SALT LAKE CITY, UTAH

UNITED STATES

DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

0601 03 1150

LOG 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 _____

Location _____ ft. [N] of _____ line and _____ ft. [W] of _____ line of _____
Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____ County _____ State _____

Lessor or Tract _____ Field _____ State _____

Company _____ Address _____

Commenced drilling _____, 19____ Finished drilling _____, 19____
The summary on this page is for the condition of the well at above date.
Date _____ Title _____

NO ZONES OR SANDS OF GAS

(b) (5) DPP, (b) (5) ACP

No. 3, from	to	No. 0, from	to
No. 2, from	to	No. 2, from	to
No. 1, from	to	No. 1, from	to

IMPORTANT WATER SOUNDS

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

CASING RECORD

Casing	Dry Hole Measure	Logging Fee	Name	Location	Kind or size	Used by log team	Date	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 its results.									
If there were any changes made in the casing, state fully, and if any casing was "struck," 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 plugging.									

HISTORY OF OIL OR GAS WELL

16-43094-2 U. S. GOVERNMENT PRINTING OFFICE

PAVING AND CEMENTING RECORD

been known to	gives him	been known	known to	known to
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PLUGS AND ADAPTERS

[illegible]

SHOOTING RECORD

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466
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TOOLS USED

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

23TAC

Rock pressure, lbs. per sq. in.		19
It gas well, cu. ft. per 24 hours		19
emulsion; % water; and % sediment		19
Gravity, °Be.		19
Gallons gasoline per 1,000 cu. ft. of gas		19
Put to producing		19

EMPLOYEES

Driller			
Driller			

FORMATION RECORD

[illegible]

INFORMATION RECORD—Continued

1995 = 1