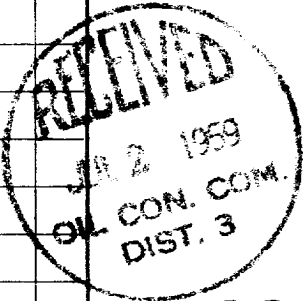
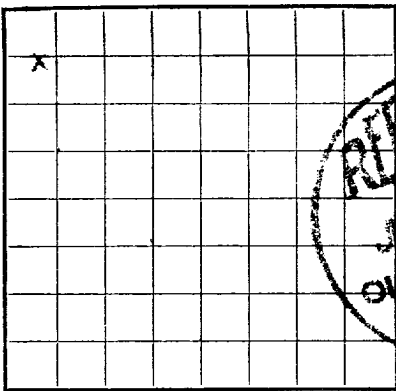


U. S. LAND OFFICE Navajo-Indian
SERIAL NUMBER 14-20-004-100
LEASE OR PERMIT TO PROSPECT _____



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

LOG OF OIL OR GAS WELL

LOCATE WELL CORRECTLY

Company El Paso Natural Gas Products Co. Address Box 1365, Farmington, New Mexico
Lessor or Tract Horseshoe Ute Field Horseshoe Gallup State New Mexico
Well No. 15 Sec. 34 T. 31N R. 16W Meridian NMPA County San Juan
Location 7.00 ft. N of N Line and 51.5 ft. E of W Line of Sec. 34 Elevation 5217'
(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 ORIGINAL SIGNED BY: JOSEPH E. KREGER
Date June 20, 1959 Title Petrologist

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

Commenced drilling May 19, 1959 Finished drilling May 22, 1959

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

No. 1, from 1335' to 1416' 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—	
7-5/8"	26.40	8	8793	120	Baker	_____	_____	_____	_____
5-1/2"	17.30	8	8793	100	Baker	_____	_____	_____	_____
HISTORY OF OIL OR GAS WELL									

MUDDING AND CEMENTING RECORD

Size casing	Where set	Number sacks of cement	Method used	Mud gravity	Amount of mud used
7-5/8"	136	75	Circulator		
5-1/2"	1555	50	Single Stage		

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
			see "Well history"			

TOOLS USED

Rotary tools were used from _____ feet to 1556 feet, and from _____ feet to _____ feet
Cable tools were used from _____ feet to _____ feet, and from _____ feet to _____ feet

DATES

June 4, 1959 Put to producing June 13, 1959
The production for the first 24 hours was 74 barrels of fluid of which 100 % was oil; _____ %
emulsion; _____ % water; and _____ % sediment. Gravity, °Bé. 77.3
If gas well, cu. ft. per 24 hours _____ Gallons gasoline per 1,000 cu. ft. of gas _____
Rock pressure, lbs. per sq. in. _____

EMPLOYEES

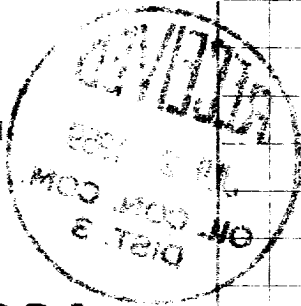
_____, Driller _____, Driller
_____, Driller _____, Driller

FORMATION RECORD

FROM—	TO—	TOTAL FEET	FORMATION
	1164	1164	Mancoos Form. Gy. carb. shale.
1164	1544	377	Gallup Form. Lt. gy. to bra. calc. carb. siliceous glauconitic. Very fn. to med. gr. ss. w/irreg. interbedded shale.
1544	1556	12	Sanastee Form. dk. gy. calc. v/fn. to fn. gy. ss. w/calc. veins, w/irreg. lmb. dk. gy. sd.
EBOW	10—	1015 FEET	FORMATION

PLEASE DO NOT WRITE IN THESE SPACES

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY



LOCATE WELL CORRECTLY

LOG OF OIL OR GAS WELL

Location of _____ of _____ and _____ ft. ^E _{W.} of _____ line of _____ Elevation _____ County _____ State _____

Well No. _____ Sec. _____ T. _____ R. _____ Meridian _____

Lessor or Trust _____ Field _____ State _____

Company _____ Address _____

The information given herewith is a complete and correct record of the work done thereon so far as can be determined from all available records.

Signed _____

RECEIVED - CIVIL SERVICE DIVISION

_____ Date _____

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

Commenced drilling _____, 19____
Finished drilling _____, 19____

NO INFO HAS BEEN RECEIVED FROM THE

(D) $\frac{1}{2}$ (E) $\frac{1}{4}$

No. 1 from	to	No. 4 from	to
No. 2 from	to	No. 5 from	to
No. 3 from	to	No. 6 from	to
No. 4 from	to	No. 7 from	to
No. 5 from	to	No. 8 from	to
No. 6 from	to	No. 9 from	to
No. 7 from	to	No. 10 from	to
No. 8 from	to	No. 11 from	to
No. 9 from	to	No. 12 from	to
No. 10 from	to	No. 13 from	to
No. 11 from	to	No. 14 from	to
No. 12 from	to	No. 15 from	to
No. 13 from	to	No. 16 from	to
No. 14 from	to	No. 17 from	to
No. 15 from	to	No. 18 from	to
No. 16 from	to	No. 19 from	to
No. 17 from	to	No. 20 from	to
No. 18 from	to	No. 21 from	to
No. 19 from	to	No. 22 from	to
No. 20 from	to	No. 23 from	to
No. 21 from	to	No. 24 from	to
No. 22 from	to	No. 25 from	to
No. 23 from	to	No. 26 from	to
No. 24 from	to	No. 27 from	to
No. 25 from	to	No. 28 from	to
No. 26 from	to	No. 29 from	to
No. 27 from	to	No. 30 from	to
No. 28 from	to	No. 31 from	to
No. 29 from	to	No. 32 from	to
No. 30 from	to	No. 33 from	to
No. 31 from	to	No. 34 from	to
No. 32 from	to	No. 35 from	to
No. 33 from	to	No. 36 from	to
No. 34 from	to	No. 37 from	to
No. 35 from	to	No. 38 from	to
No. 36 from	to	No. 39 from	to
No. 37 from	to	No. 40 from	to
No. 38 from	to	No. 41 from	to
No. 39 from	to	No. 42 from	to
No. 40 from	to	No. 43 from	to
No. 41 from	to	No. 44 from	to
No. 42 from	to	No. 45 from	to
No. 43 from	to	No. 46 from	to
No. 44 from	to	No. 47 from	to
No. 45 from	to	No. 48 from	to
No. 46 from	to	No. 49 from	to
No. 47 from	to	No. 50 from	to
No. 48 from	to	No. 51 from	to
No. 49 from	to	No. 52 from	to
No. 50 from	to	No. 53 from	to
No. 51 from	to	No. 54 from	to
No. 52 from	to	No. 55 from	to
No. 53 from	to	No. 56 from	to
No. 54 from	to	No. 57 from	to
No. 55 from	to	No. 58 from	to
No. 56 from	to	No. 59 from	to
No. 57 from	to	No. 60 from	to
No. 58 from	to	No. 61 from	to
No. 59 from	to	No. 62 from	to
No. 60 from	to	No. 63 from	to
No. 61 from	to	No. 64 from	to
No. 62 from	to	No. 65 from	to
No. 63 from	to	No. 66 from	to
No. 64 from	to	No. 67 from	to
No. 65 from	to	No. 68 from	to
No. 66 from	to	No. 69 from	to
No. 67 from	to	No. 70 from	to
No. 68 from	to	No. 71 from	to
No. 69 from	to	No. 72 from	to
No. 70 from	to	No. 73 from	to
No. 71 from	to	No. 74 from	to
No. 72 from	to	No. 75 from	to
No. 73 from	to	No. 76 from	to
No. 74 from	to	No. 77 from	to
No. 75 from	to	No. 78 from	to
No. 76 from	to	No. 79 from	to
No. 77 from	to	No. 80 from	to
No. 78 from	to	No. 81 from	to
No. 79 from	to	No. 82 from	to
No. 80 from	to	No. 83 from	to
No. 81 from	to	No. 84 from	to
No. 82 from	to	No. 85 from	to
No. 83 from	to	No. 86 from	to
No. 84 from	to	No. 87 from	to
No. 85 from	to	No. 88 from	to
No. 86 from	to	No. 89 from	to
No. 87 from	to	No. 90 from	to
No. 88 from	to	No. 91 from	to
No. 89 from	to	No. 92 from	to
No. 90 from	to	No. 93 from	to
No. 91 from	to	No. 94 from	to
No. 92 from	to	No. 95 from	to
No. 93 from	to	No. 96 from	to
No. 94 from	to	No. 97 from	to
No. 95 from	to	No. 98 from	to
No. 96 from	to		

CASING RECORD

[illegible]

HISTORY OF OIL OR GAS WELL

[illegible]

INDEXING AND CEMENTING RECORD

base from to antenna A	antenna built	base from to antenna B	antenna to antenna distance	antenna B	to antenna

PLCS AND SOUTHERN

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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SHOOTING RECORD

[illegible]

0120 2100T

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

DATE

Block pressure, lbs. per sq. in.	
It was well, cut. per 24 hours	
emulsion; and % sediment.	
The production for the first 24 hours was	
Put to producing	

SECRET

relInCl	relInCl
relInC	relInC

ИЗДАНИЕ ПОСТАВЛЕНО

FROM-	TO-	TOTAL FEET	FORMATION