

#64 30-039-07662

#550 30-039-24842

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO
(Submit 3 copies to OCD Aztec Office)

Operator MERIDIAN OIL Location: Unit NE Sec. 11 Twp 29 Rng 7

Name of Well/Wells or Pipeline Serviced SAN JUAN 29-7 UNIT #64, #550

cps 306w

Elevation 6338' Completion Date 9/3/71 Total Depth 680' Land Type* N/A

Casing, Sizes, Types & Depths N/A

If Casing is cemented, show amounts & types used N/A

If Cement or Bentonite Plugs have been placed, show depths & amounts used
N/A

Depths & thickness of water zones with description of water when possible:
Fresh, Clear, Salty, Sulphur, Etc. WET AT 200'

RECEIVED

MAY 31 1991

Depths gas encountered: N/A

OIL CON. DIV.
DIST. 3

Type & amount of coke breeze used: 13600 lbs.

Depths anodes placed: 605', 535', 525', 500', 449', 440', 430', 420', 410', 330'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: qb #2

If any of the above data is unavailable, please indicate so. Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

*Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

NO2 GND BED

Drilling Log (Attach Hereto). ☐

Completion Date 9-3-71

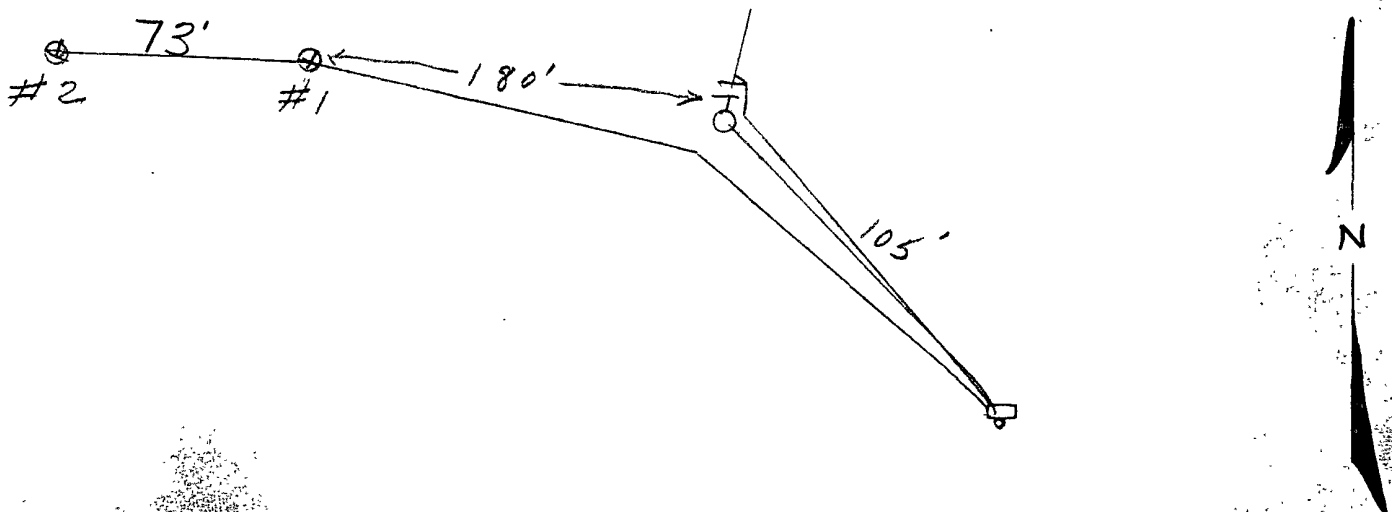
Well Name <u>5J-29-7 # 64</u>		Location <u>NE 11-29-7</u>		CPS No. <u>306W</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>184-40195.19-50-20</u>	
Anode Hole Depth <u>680</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>13,600</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>605</u>	# 2 <u>535</u>	# 3 <u>525</u>	# 4 <u>500</u>	# 5 <u>449</u>	# 6 <u>440</u>
# 7 <u>430</u>	# 8 <u>420</u>	# 9 <u>410</u>	# 10 <u>330</u>		
Anode Output (Amps)					
# 1 <u>2.8</u>	# 2 <u>2.7</u>	# 3 <u>3.2</u>	# 4 <u>2.8</u>	# 5 <u>2.6</u>	# 6 <u>4.0</u>
# 7 <u>3.4</u>	# 8 <u>4.0</u>	# 9 <u>3.7</u>	# 10 <u>3.0</u>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
Total Circuit Resistance		No. 8 C.P. Cable Used		No. 2 C.P. Cable Used	
Volts <u>9.5V</u>	Amps <u>9.0</u>	Ohms <u>1.06 Ω</u>	<u>83'</u>		

Remarks: Driller said wet at 200' - Vent to Nat Anode, Perforated 420'.
 Drilled Hole To 480' NOT ENOUGH ROOM FOR ANODES
 Drilled Hole To 500' logged CONTRACTOR said NOT ENOUGH ROOM
 for Anodes Drilled TO 680'. CONTRACTOR HAD ONLY 11 ANODES ON
 LOCATION Damaged cap on 1 using for logging Anode. Gd Bed
 Pumped 545 Shovels = 78 Sacks TO ABOVE TOP ANODE
 completed By Slurry

All Construction Completed

Paul H. J. Arreola
(Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

C.P.S.

LEASE _____ WELL NO. 306-W CONTRACTOR Morrow RIG NO. 1 REPORT NO. _____ DATE 9-3 1971

MORNING

DAYLIGHT

EVENING

Driller _____ Total Men In Crew _____					Driller _____ Total Men In Crew _____					Driller _____ Total Men In Crew _____				
FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.	FROM	TO	FORMATION	WT-BIT	R.P.M.
0	35	Shale & Boulders			240	250	Shale							
35	140	Shale + SAND			250	320	HARD SAND STONE							
140	220	Dry SAND			320	500	SAND + SDY SHALE							
220	240	SAND + SDY SHALE			500	680	SAND + SHALE							

BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____	BIT NO. _____		NO. DC _____ SIZE _____ LENG. _____
SERIAL NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____	SERIAL NO. _____		STANDS _____
SIZE _____		SINGLES _____	SIZE _____		SINGLES _____	SIZE _____		SINGLES _____
TYPE _____		DOWN ON KELLY _____	TYPE _____		DOWN ON KELLY _____	TYPE _____		DOWN ON KELLY _____
MAKE _____		TOTAL DEPTH _____	MAKE _____		TOTAL DEPTH _____	MAKE _____		TOTAL DEPTH _____

MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED			MUD RECORD			MUD, ADDITIVES USED AND RECEIVED		
Time	Wt.	Vis.				Time	Wt.	Vis.				Time	Wt.	Vis.			

FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN	FROM	TO	TIME BREAKDOWN

REMARKS -	REMARKS -	REMARKS -
	Dribbled To 600' w/Air + WTR. IND.	
	600' - 680 w/mud -	Used -
	Logged Hole @ 480' No Good.	8 SACKS Goh
	" " " 600' No Good.	1 SACK L.C.M.
	" " " 680 - Good	3 BITS.
	Wet @ 220' WTR. STANDING @ 250'	24 Hrs Drilling Time

SIGNED: Toolpusher

Joe Morrow

Company Supervisor



9-1-71 - 306w - Driller said wet at 200'

Depth (ft)	Pressure (psi)	Temperature (°F)	Gas Specific Gravity	Water (lb/cu ft)	Notes
200	117	119	1.19	1.19	
10	108	115	1.15	1.15	
20	112	126	1.26	1.26	
30	117	130	1.30	1.30	
40	122	132	1.32	1.32	
50	127	135	1.35	1.35	
60	132	138	1.38	1.38	
70	137	141	1.41	1.41	
80	142	144	1.44	1.44	
90	147	147	1.47	1.47	
100	152	150	1.50	1.50	
110	157	153	1.53	1.53	
120	162	156	1.56	1.56	
130	167	159	1.59	1.59	
140	172	162	1.62	1.62	
150	177	165	1.65	1.65	
160	182	168	1.68	1.68	
170	187	171	1.71	1.71	
180	192	174	1.74	1.74	
190	197	177	1.77	1.77	
200	202	180	1.80	1.80	
210	207	183	1.83	1.83	
220	212	186	1.86	1.86	
230	217	189	1.89	1.89	
240	222	192	1.92	1.92	
250	227	195	1.95	1.95	
260	232	198	1.98	1.98	
270	237	201	2.01	2.01	
280	242	204	2.04	2.04	
290	247	207	2.07	2.07	
300	252	210	2.10	2.10	
310	257	213	2.13	2.13	
320	262	216	2.16	2.16	
330	267	219	2.19	2.19	
340	272	222	2.22	2.22	
350	277	225	2.25	2.25	
360	282	228	2.28	2.28	
370	287	231	2.31	2.31	
380	292	234	2.34	2.34	
390	297	237	2.37	2.37	
400	302	240	2.40	2.40	
410	307	243	2.43	2.43	
420	312	246	2.46	2.46	
430	317	249	2.49	2.49	
440	322	252	2.52	2.52	
450	327	255	2.55	2.55	
460	332	258	2.58	2.58	
470	337	261	2.61	2.61	
480	342	264	2.64	2.64	
490	347	267	2.67	2.67	
500	352	270	2.70	2.70	
510	357	273	2.73	2.73	
520	362	276	2.76	2.76	
530	367	279	2.79	2.79	
540	372	282	2.82	2.82	
550	377	285	2.85	2.85	
560	382	288	2.88	2.88	
570	387	291	2.91	2.91	
580	392	294	2.94	2.94	
590	397	297	2.97	2.97	
600	402	300	3.00	3.00	
610	407	303	3.03	3.03	
620	412	306	3.06	3.06	
630	417	309	3.09	3.09	
640	422	312	3.12	3.12	
650	427	315	3.15	3.15	
660	432	318	3.18	3.18	
670	437	321	3.21	3.21	
680	442	324	3.24	3.24	
690	447	327	3.27	3.27	
700	452	330	3.30	3.30	
710	457	333	3.33	3.33	
720	462	336	3.36	3.36	
730	467	339	3.39	3.39	
740	472	342	3.42	3.42	
750	477	345	3.45	3.45	
760	482	348	3.48	3.48	
770	487	351	3.51	3.51	
780	492	354	3.54	3.54	
790	497	357	3.57	3.57	
800	502	360	3.60	3.60	
810	507	363	3.63	3.63	
820	512	366	3.66	3.66	
830	517	369	3.69	3.69	
840	522	372	3.72	3.72	
850	527	375	3.75	3.75	
860	532	378	3.78	3.78	
870	537	381	3.81	3.81	
880	542	384	3.84	3.84	
890	547	387	3.87	3.87	
900	552	390	3.90	3.90	
910	557	393	3.93	3.93	
920	562	396	3.96	3.96	
930	567	399	3.99	3.99	
940	572	402	4.02	4.02	
950	577	405	4.05	4.05	
960	582	408	4.08	4.08	
970	587	411	4.11	4.11	
980	592	414	4.14	4.14	
990	597	417	4.17	4.17	
1000	602	420	4.20	4.20	

MSC
Rate/mol

Rate/mol

Water