

30-045-10250

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

Operator MERIDIAN OIL Location: Unit SW Sec. 28 Twp 31 Rng *

Name of Well/Wells or Pipeline Serviced HOWELL D #1

cps 247w

Elevation 6483' Completion Date 10/14/69 Total Depth 720' 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 SPOTS-120', 180', 275', 300'

Depths gas encountered: N/A

Type & amount of coke breeze used: 103 SACKS

Depths anodes placed: 668', 662', 656', 650', 644', 638', 632', 626', 460'

Depths vent pipes placed: 662' OF 3/4" HOSE

Vent pipe perforations: 500'

Remarks: gb #2 EPOXY POURED ABOVE SHRINK SLEEVE

RECEIVED

MAY 31 1991

OIL CON. DIV
DIST. 3

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

5 1/8 #131-570'

Drilling Log (Attach Hereto) ☐

No. 2 GND BED

Completion Date 10-14-69

Well Name Howell #1D		Location SW 28-31-8		CPS No. 247W	
Type & Size Bit Used 7 1/8 #23415 = 120', #65340 = 150' #92353 = 150'				Work Order No. 184-52020-50-20	
Anode Hole Depth 720	Total Drilling Rig Time 69 1/2 Hrs	Total Lbs. Coke Used 103 sacks	Lost Circulation Mat'l Used 3	No. Sacks Mud Used 22	
Anode Depth					
#1 668	#2 662	#3 656	#4 650	#5 644	#6 638
Anode Output (Amps)					
#1 3.7	#2 3.7	#3 3.4	#4 3.3	#5 2.9	#6 3.0
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		
Volts 12.0	Amps 10.5	Ohms 1.14	5946		
			No. 2 C.P. Cable Used 0		

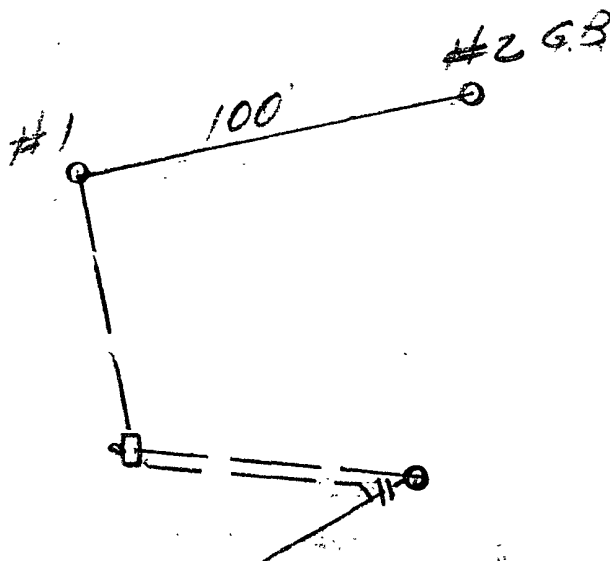
Remarks: 3/4" Hose to No 2 Anode, Perforated 500'
50 lbs Barafos

Epoxy Poured Above Shrink Sleeve

All Construction Completed

Amels
(Signature)

GROUND BED LAYOUT SKETCH



EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

Insert # 131 (570 ft)

LEASE _____ WELL NO. 247W CONTRACTOR Monarch Co. RIG NO. 146 REPORT NO. _____ DATE _____ 19__

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	120	SS - Shale str.				185	220	Shale + SS str.				310	420	SS + shale str.			
120	135	SS				220	280	SS				420	450	Shale			
135	180	SS + shale				280	300	shale				450	460	SS			
180	185	SS				300	310	SS				460	570	Shale + SS str.			

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
SERIAL NO. 25415					SERIAL NO. 65340					SERIAL NO. 92353				
SIZE 7 7/8" (120 ft.)					SIZE 7 7/8" (450 ft.)					SIZE 7 7/8" (150 ft.)				
TYPE					TYPE					TYPE				
MAKE					MAKE					MAKE				

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.		Time	Wt.	Vis.			

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

REMARKS -

10-5-69. Left old loc 2³⁰ moved, rigged up & drilled 120 ft. 5" air hole. Left rig 6 PM

10-6-69. Left yd. 6 AM arrived rig 7³⁰ AM went in hole & drilled 5" hole from 100 ft. to 480 ft. Left rig 5 PM.

10-7-69. Left yd. 6 AM arrived rig 7³⁰ AM went in hole, water standing approx. 450 ft. mixed mud & lost circ. material. Hauled 3 loads water, drilled 5" hole on 7³⁰ to 570 ft. Came out & came down with 7 7/8" to 120 ft. Left rig 5 PM.

10-8-69. Left yd. 6 AM arrived rig 7³⁰ AM went in hole, beamed down from 120 ft. to 570 ft. Lost circ. at 220 ft. mixed mud & lost circ. material. Hauled 3 loads water. Left rig 8 PM.

10-9-69. Left yd. 6 AM arrived rig 7³⁰ AM went in hole, water standing 320 ft. Thinned down & came out, logged hole, no good. Left rig 12 noon for clutch repairs.

SIGNED: Toolpusher _____

Company Supervisor _____

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EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE			WELL NO. <u>247-W</u>			CONTRACTOR <u>Monarch Constr.</u>			RIG NO. <u>146</u>			REPORT NO.			DATE <u>10-13-69</u>			19		
MORNING						DAYLIGHT						EVENING								
Driller						Driller						Driller								
Total Men In Crew						Total Men In Crew						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.				
570	630	SS. + Bentonite slt																		
630	720	Shale + ss STKS																		
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					
						10-10-69 - 3 Hrs			Page #1 - 4 1/2 Hrs											
						10-11-69 - 8 1/2 Hrs			Page #2 - 28 Hrs											
						10-13-69 - 12 Hrs			6 1/2 Hrs											
						10-14-69 - 4 1/2 Hrs														
						28 Hrs														
REMARKS -						REMARKS -						REMARKS -								
10-10-69 - left yd. 10 AM arrived rig 11 AM. Made repairs on clutch from 11 AM - 2 PM. Went in hole to 360 ft. Run 1 load water in to circ. walls caving, came out & left rig 5 PM.																				
10-11-69 - left yd 6 AM, arrived rig 7 AM. Went in hole, water standing 360 ft. Hauled 2 loads water & mixed 9 sacks mud to build walls to stop caving. Drilled from 570 ft. to 630 ft. left rig 3 PM. Note 10-11-69 - drilling below 600 ft. 1 PM.																				
10-13-69 - left yd 6 AM arrived rig 7 AM. Went in hole, water standing 360 ft. mixed 4 sacks & removed from 460 ft. to bottom at 630 ft. Drilled new hole from 630 to 720 ft. left rig 9 PM.																				
10-14-69 - left yd. 6 AM. arrived rig 7 AM. Went in hole, water standing 300 ft. Thinned down, came out & bugged hole, left loc. 11 AM.																				

SIGNED: Toolpusher

Company Supervisor

Dorrel