

1284

#1A 30-045-23988
#5 30-045-21160

E

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. 18 Twp 28 Rng 8Name of Well/Wells or Pipeline Serviced SHARP #1A, #5

cps 1573w

Elevation 5829' Completion Date 9/9/81 Total Depth 380' Land Type* N/ ACasing, Sizes, Types & Depths N/AIf Casing is cemented, show amounts & types used N/AIf 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. DAMP AT 80' WET AT 100' - 120'Depths gas encountered: N/AType & amount of coke breeze used: 4560 lbs.Depths anodes placed: 355', 345', 335', 325', 300', 270', 260', 245', 230', 220'Depths vent pipes placed: 380'Vent pipe perforations: 320'Remarks: gb #1**RECEIVED**

MAY 31 1991

OIL CON. DIV. J
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.

CATHODIC PROTECTION CONSTRUCTION REPORT

DAILY LOG

Drilling Log (Attach Hereto) ☐Completion Date 9-9-812 X 60 ANODES

Well Name <u>SHARP #1A</u> <u>SHARP #5</u>		Location <u>SW18-28-8</u>		CPS No. <u>1573 W</u>	
Type & Size Bit Used <u>6 3/4</u>				Work Order No. <u>57656-21</u> <u>55329-19</u>	
Anode Hole Depth <u>380'</u> <u>1095' 380'</u>	Total Drilling Rig Time	Total Lbs. Coke Used <u>4560</u>	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
# 1 <u>355'</u>	# 2 <u>345'</u>	# 3 <u>335'</u>	# 4 <u>325'</u>	# 5 <u>300'</u>	# 6 <u>270'</u>
# 7 <u>260'</u>	# 8 <u>245'</u>	# 9 <u>230'</u>	# 10 <u>220'</u>		
Anode Output (Amps)					
# 1 <u>5.2</u>	# 2 <u>4.6</u>	# 3 <u>5.4</u>	# 4 <u>4.5</u>	# 5 <u>3.8</u>	# 6 <u>3.5</u>
# 7 <u>3.7</u>	# 8 <u>4.6</u>	# 9 <u>3.6</u>	# 10 <u>3.7</u>		
Anode Depth					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Anode Output (Amps)					
# 11	# 12	# 13	# 14	# 15	# 16
# 17	# 18	# 19	# 20		
Total Circuit Resistance					
Volts <u>11.9</u>	Amps <u>21.4</u>	Ohms <u>.55</u>			
No. 8 C.P. Cable Used			No. 2 C.P. Cable Used		

Remarks: SHARP #1A STATIC 600' NB, 76 SHARP #5 STATIC 600' S, 80DRILLER SAID DAMP AT 80', WET 100' TO 120'. WAITED 20 MIN. COULD NOT BLOW WATER.INSTALLED 380' OF 1" VENT PIPE, PERFORATED 320' OF VENT PIPE.SURRYED 4560 LBS. OF COKE1 60V 30A RECT.

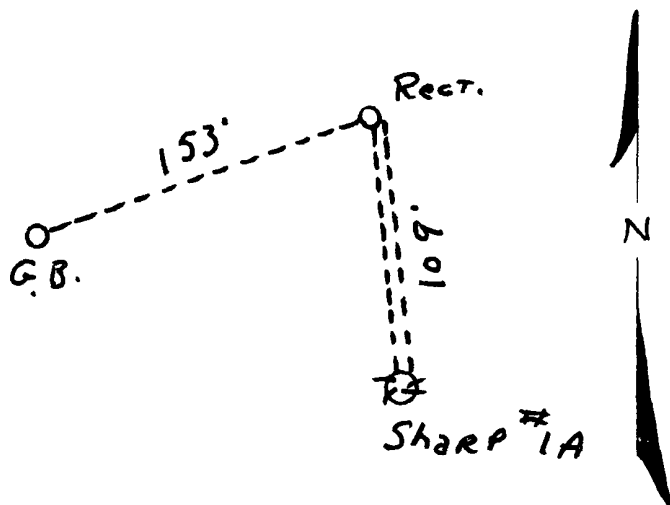
All Construction Completed

1 20' METER POLEDITCH + 1 CABLE - 262' ✓EXTRA CABLE - 129' ✓HOLE DEPTH - 120' ✓SET 10' OF 8" PRC CASING OHR.

GROUND BED LAYOUT SKETCH

Stella Knight Jr.
(Signature)

Time	Res	O.T.
9-8-81	4	2
9-9-81	8	4



DISTRIBUTION:

WHITE - Division Corrosion Office

YELLOW - Area Corrosion Office

PINK - Originator File

5829

El Paso Natural Gas Company
ENGINEERING CALCULATIONSheet: 9-9-81 of
Date: WK
By:
File:SHARP # 1A
SHARP # 5
SW18-28-8
CPS 1573WWID 57656-21 STATIC 600' NW .76
WID 55329-19 STATIC 600' S .80

MW	gals/mol
16.04	C ₁ 6.4
30.07	C ₂ 10.12
44.10	C ₃ 10.42
58.12	iC ₄ 12.38
58.12	nC ₄ 11.93
72.15	iC ₅ 13.85
72.15	nC ₅ 13.71
86.18	iC ₆ 15.50
86.18	C ₆ 15.57
100.21	iC ₇ 17.2
100.21	C ₇ 17.46
114.23	C ₈ 19.39
28.05	C ₂ 9.64
42.08	C ₃ 9.67

MW	MISC.	gals/mol
32.00	O ₂	3.37
28.01	CO	4.19
44.01	CO ₂	6.38
64.06	SO ₂	5.50
34.08	H ₂ S	5.17
28.01	N ₂	4.16
2.02	H ₂	3.38

160V 30A Rect
1 20' meter Pole
Ditch - 1 cable - 262'
EXTRA cable - 129'
Hole Depth - 120'

Set 10' of 8" PVC casing

DRILLER Said damp @ 80'
100' to 120' SAND WET. WARM.
20 min. Could not B/W WATER.
Installed 380' of 1" VENT PIPE
Perforated 320' of VENT PIPE
Slurried 4560 lbs. of cake

120		70	2.60 6
25	1.10	75	1.80
30	1.70	80	1.30
35	1.80	85	1.70
40	1.80	90	1.20
45	1.50	95	2.10
50	1.40	300	2.90 5
55	1.40	05	2.40
60	1.80	10	1.40
65	1.50	15	1.50
70	1.50	20	2.90
75	1.70	25	3.80 4
80	1.70	30	3.80
85	2.60	35	4.10 3
90	3.40	40	3.60
95	3.80	45	3.40 2
200	4.00	50	3.70
05	4.00	55	4.00 1
10	3.60	60	3.90
15	3.20	65	3.80
20	3.00 10	70	3.80
25	3.00	75	3.60
30	2.70 9	80	3.60 T.D.
35	1.80		
40	3.10		
45	2.80 8		
50	2.40		
55	1.90		
60	2.90 7		
65	3.00		

① 355	4.2	5.2
② 345	3.5	4.6
③ 335	4.1	5.4
④ 325	3.7	4.5
⑤ 300	2.9	3.8
⑥ 270	2.5	3.5
⑦ 260	2.7	3.7
⑧ 245	2.8	4.0
⑨ 230	2.7	3.6
⑩ 220	2.9	3.7

11.9 V
21.4 A
55 n

LEASE SHARP #1A & #5 WELL NO. CPS 1573-W CONTRACTOR CPS RIG NO. REPORT NO. DATE 9-9-1981

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.

BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.	BIT NO.		NO. DC	SIZE	LENG.
S. I. L. 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
0	120	SAND						
120	180	SANDY SHALE						
180	270	SHALE						
270	290	SAND						
290	380	SHALE						

REMARKS -	REMARKS -	REMARKS -
WATER 100' TO 120'		
DRILLED 380' T.D. 380'		

SIGNED: Toolpusher

Carl Lantz

Company Supervisor

Dan E. Mikish