30-045-20408

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

Operator MERIDIAN OIL Location: Unit NW Sec 21 Twp 26 Rng 10

Name of Well/Wells or Pipeline Serviced HUERFANO UNIT #195

cps 978w

Elevation 6534' Completion Date 9/2/75 Total Depth 360' Land Type* N/A

Casing, Sizes, Types & Depths 39' OF 8" PLASTIC CASING

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. 172'-200'

Depths gas encountered: N/A

Type & amount of coke breeze used: 3500 lbs.

Depths anodes placed: 320', 310', 300', 260', 250', 240', 230', 220', 210', 20

Depths vent pipes placed: N/A

Vent pipe perforations: 200'

Remarks: gb #1

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.

El Paso Natural Gas Company
Form 7-[illegible]8 (Rev. 1-69)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐

Completion Date 9-2-75

Well	Location	CPS No.
Huerfano #195	NW 21-26-10	978w

Type & Size Bit Used	Work Order No.
6 3/4	54651

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
360		3500		

Anode Depth	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
	320	310	300	260	250	240	230	220	210	20
Anode Output (Amps)	4.5	4.8	4.3	2.7	4.6	4.5	4.2	2.8	2.6	3.[illegible]

Anode Depth	#11	#12	#13	#14	#15	#16	#17	#18	#19	#20
Anode Output (Amps)										

Total Circuit Resistance				No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 11.2	Amps 18.0	Ohms 0.62		2850	

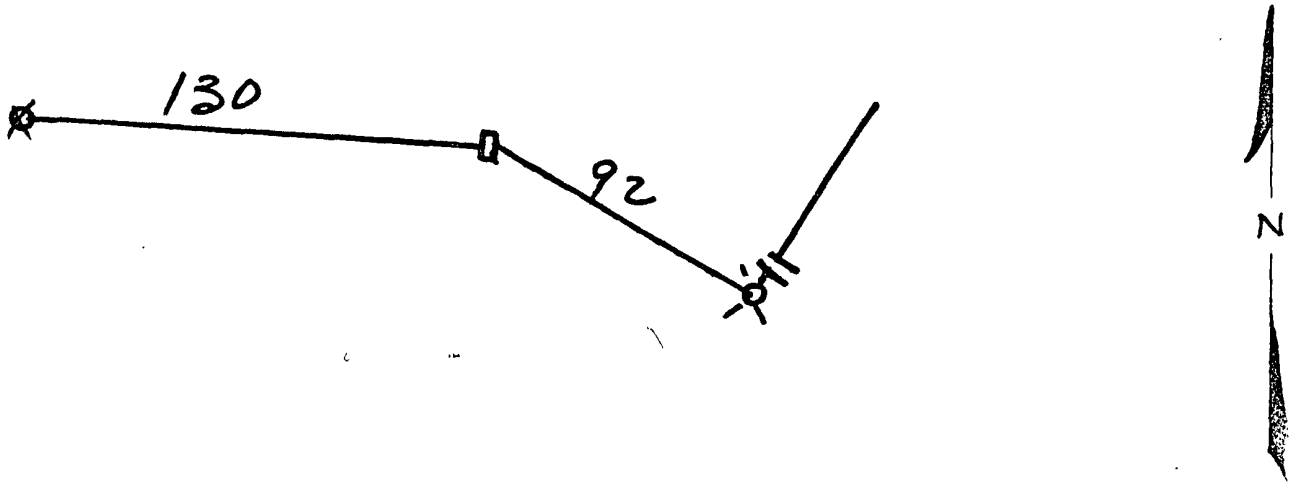
Remarks: Loose Sand For 40'- Dug Pits Clean out with Mud- Set 39' of 8" Plastic Casing- Let Set over Week-End- Blew Mud out & Drilled with Air Start water injection of 200' Vent Perforated 200

16 hrs 10

All Construction Completed

Darrels-Hin
(Signature)

GROUND BED LAYOUT SKETCH



Original & 1 Copy All Reports

DRILLING DEPARTMENT

8-29&9-2-75 DAILY DRILLING REPORT

LEASE WELL NO. 98-W CONTRACTOR RIG NO. 3991 REPORT NO. DATE 19

MORNING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
0.0	40'	Sand		
40'	64'	Sandstone		
64'	70'	Shale		
70'	80'	Sandstone		

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO.

STANDS

SIZE 6 3/4

SINGLES

TYPE

DOWN ON KELLY

MAKE

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
238'	242'	Shale
242'	243'	Sandstone
243'	245'	Shale
245'	241'	Sandstone
241'	250'	Shale
25	253'	Sandstone

REMARKS –

DAMP AT 105 - 106'
140 - 172
WET AT 172 - 200

INJECT - at 200 ± 360'

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
80'	95'	Shale		
95'	103'	Sandstone		
103'	105'	Shale		
105'	120'	Sandstone		

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO.

STANDS

SIZE

SINGLES

TYPE

DOWN ON KELLY

MAKE

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
253'	258'	Shale
258'	262'	Shale Sandstone
262'	267'	Shale
267'	315'	Sandstone
315'	318'	Shale
318'	321'	Sandstone

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.
120'	127'	Shale		
127'	200'	Sandstone		
200'	206'	Shale		
206'	238'	Sandstone		

NO. DC ____ SIZE ____ LENG. ____

BIT NO.

NO. DC ____ SIZE ____ LENG. ____

SERIAL NO.

STANDS

SIZE

SINGLES

TYPE

DOWN ON KELLY

MAKE

TOTAL DEPTH

MUD RECORD

Time	Wt.	Vis.

MUD, ADDITIVES USED AND RECEIVED

FROM	TO	TIME BREAKDOWN
321'	337'	Shale
337'	360'	Sandstone
360'	—	T.D.

REMARKS –

SIGNED: Toolpusher Jimmy Jones Company Supervisor

Form 7-1 (Rev. 11-7

EL PASO NATURAL GAS COMPANY

ENGINEERING DEPARTMENT

Sheet ____ of ____

Date: ________

By: ________

MW		gals/mol
16	C_1	6 4
30	C_2	10 12
44	C_3	10 42
58	IC_4	12 38
"	NC_4	11 93
72	IC_5	13 85
"	NC_5	13 71
86	IC_6	15 50
"	C_6	15 57
100	IC_7	17 2
"	C_7	17 46
114	C_8	19 39
28	$C_2^=$	9 64
42	$C_3^=$	9 67

MISC

MW		gals/mol
44	CO_2	6 38
34	H_2S	5 17
28	N_2	4 16
2	H_2	3 38

928 W

200	1.2
	1.4
10	1.0
	0.7
20	1.0
	1.6
30	1.6
	1.7
40	2.0
	2.1
50	2.2
	2.0
60	1.5
	0.6
70	0.8
	0.8
80	0.4
	0.4
90	0.5
	0.7
300	2.0
	2.2
10	2.2
	2.3
20	2.0
	1.8
30	1.4
	1.2
40	
50	
60	
70	

BD-342

1.	320	2.3	4.5
2.	310	[illegible]	4.8
3.	300	2.6	4.3
4.	260	1.6	2.7
5.	250	2.4	4.6
6.	240	2.4	4.5
7.	230	2.4	4.2
8.	220	1.5	2.8
9.	210	1.3	2.6
10.	200	1.6	3.4

.62

18 [11.2 / 10.8

18.0 A

0.62 Ω