1224

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30-039-21937

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

Operator MERIDIAN OIL Location: Unit SE Sec. 15 Twp 30 Rng 6

Name of Well/Wells or Pipeline Serviced SAN JUAN 30-6 UNIT #45A

cps 1479w

Elevation 6399' Completion Date 7/23/80 Total Depth 680' Land Type* N/A

Casing, Sizes, Types & Depths 14' 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. DAMP 150' - 160', WET 220' , WATER 300'

SAMPLE TAKEN

Depths gas encountered: N/A

Type & amount of coke breeze used: 6700 lbs.

Depths anodes placed: 565', 550', 525', 510', 495', 460', 450', 435', 425', 400'

Depths vent pipes placed: 660'

Vent pipe perforations: 460'

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 7-238 (Rev. 11-71)

WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Drilling Log (Attach Hereto). ☐ 2"x 60" DURIRON Completion Date 7-23-80

Well Name	Location	CPS No.
S.J. 30-6 #45A	SE 15-30-6	1479W

Type & Size Bit Used	Work Order No.
6 3/4 Rock & 6 3/4 Button	57576-21

Anode Hole Depth	Total Drilling Rig Time	Total Lbs. Coke Used	Lost Circulation Mat'l Used	No. Sacks Mud Used
680' Log 668'		6700		

	#1	#2	#3	#4	#5	#6	#7	#8	#9	#10
Anode Depth	565	550	525	510	495	460	450	435	425	400
Anode Output (Amps)	1.4	1.4	1.5	1.9	2.0	2.1	2.5	1.9	1.8	1.5
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			No. 8 C.P. Cable Used	No. 2 C.P. Cable Used
Volts 12.0	Amps 9.6	Ohms 1.3		

Remarks: STATIC C/S 600'NE=.90 UNION-NONE WELL NOT yet TIED IN. Drilled TO 160'. DAMP 150-160. NO WATER NEXT AM Drilled TO 240' WET AT 220' NO WATER 20 MIN Drilled to 380' WATER AT 300' NEXT AM - BELIEVE WATER AT 380 - DRILLED TO 540 NOT ENough Low Res. STRATA - DRILLED TO 680' Logged 668'. NO SHALE BELOW 270' IN SAMPLES. TOTAL WATER APPROX 10 GPM. INST. 660' VENT PIPE with 460' PERF SLURRIED 67 SACKS OF COKE.

20' METER POLE
40U16A RECT
JCT BOX
DITCH + CABLE = 216
EXTRA CABLE = 180
HOLE DEPTH = +168

time	Reg	O.T.
7-21-80	6	
7-22-80	8	
7-23-80	8	2

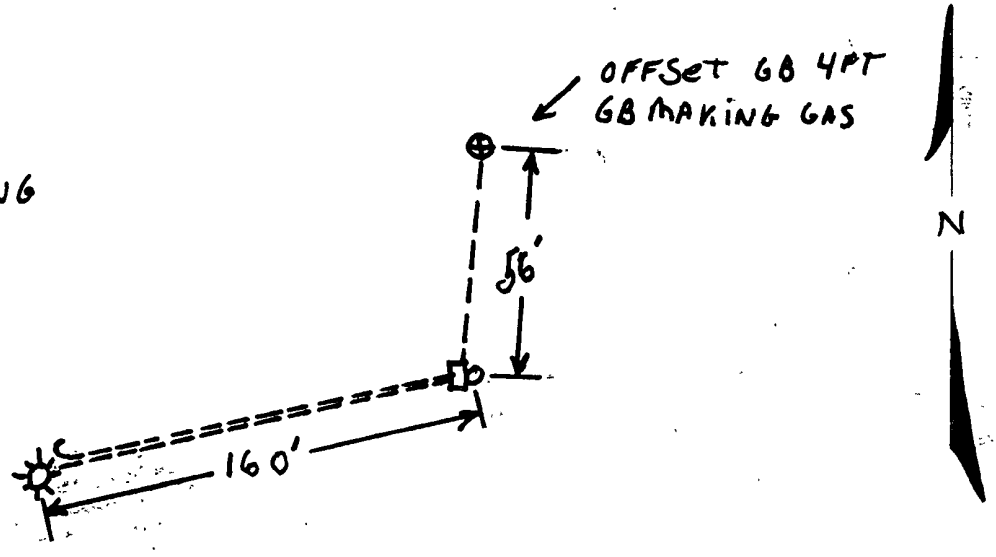
1/2 hr setting 14 FT CASING

14' Casing

All Construction Completed

Robert J Balmich
(Signature)

GROUND BED LAYOUT SKETCH



DISTRIBUTION:
WHITE – Division Corrosion Office
YELLOW – Area Corrosion Office
PINK – Originator File

6399

Form 22-2 (Rev. 1-61)

EL PASO NATURAL GAS COMPANY

DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE	WELL NO.	CONTRACTOR	RIG NO.	REPORT NO.	DATE
SJ 30-6 SE 15-30-6	#45-A	Three C Drilling	2	CPS 1479 W 57576-21	July 23 1980

MORNING

Driller Keith Burg Total Men In Crew 3

FROM	TO	FORMATION	WT-BIT	R.P.M.
0	220	sandstone shale bentonite water sand		
220	540	sandstone shale bentonite water sand		
540	680	sandstone shale bentonite water sand		

BIT NO.	NO. DC ___ SIZE ___ LENG. ___
SERIAL NO.	NO. DC ___ SIZE ___ LENG. ___
SIZE 6 3/4	STANDS
TYPE	SINGLES
MAKE	DOWN ON KELLY
	TOTAL DEPTH

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

FROM	TO	TIME BREAKDOWN

REMARKS – Water at 220' and 800'
logged 668

DAYLIGHT

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

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

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

FROM	TO	TIME BREAKDOWN

REMARKS –

EVENING

Driller Total Men In Crew

FROM	TO	FORMATION	WT-BIT	R.P.M.

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

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

FROM	TO	TIME BREAKDOWN

REMARKS –

SIGNED: Toolpusher Kevin Burge Company Supervisor ______

Form 7-4 (Rev. 8-75)

El Paso Natural Gas Company

ENGINEERING CALCULATION

Sheet: 1 of 1
Date: 7-21-80
By: RJB
File: 1479W

S.J. 30-6 #45A SE 15-30-6 1479W
57576-21
STATIC 4/8 600' NE = .90 UNION - FL NOT YET LAID

time = 6 7-21-80
8 7-22-80
10 7-23-80

								Driller thought water AT 150' DRILLED TO 160' NO WATER NEXT AM wet AT 220' WAITED NO WATER IN 20 MIN DRILLED TO 380' NO WATER ZONES
220	.5		420	1.0 – .8		620	.8	
	.7			1.0	1.1 – 9		.7	220' TO 380' DRILLING CREW CAUGHT WATER SAMPLE WHILE I WAS AT OTHER LOCATION (APPROX 45 MI) LEFT AT 380' WATER AT 300'
30	.6		30	.8	1.1	30	.8	
	1.0 –			.6	1.0 – 8		.7	
40	.9		40	1.1 – .8		40	.7	
	.8			1.4	.7		.7	
50	.9		50	1.1 –	1.2 – 7	50	.5	NEXT AM. NOT SURE IF this IS WATER made by hole OR WATER dumped IN hole by crew. Believe WATER AT 380 FT MAY BE SMALL seep 220'
	.8			.9	1.5		.5	
60	.7		60	.8	1.2 – 6	60	.5	
	.9			.7	1.0			
70	.9		70	.6	.9	668 TD		
	1.0 –			.7	.8			HIT 2 MORE WATER ZONES 390' & 430' DRILLED TO 540 FT Logged 520 FT. NOT ENOUGH DRILLED TO 680 Logged 668 FT IN ST. 680 FT VENT PIPE WITH 460 PERF.
80	.9		80	.7	.6			
	.6			1.0 –	.8			
90	.2		90	.8	.8			
	.2			.6	1.2 – 5			
300	.2		500	1.0	.9			SLURRIED 67 SACKS OF COKE 1/2 hr SETTING 14 FT CASING
	.6			1.0	.8			
10	.4		10	.7	1.1 – 4			
	.2			.7	1.3			
20	.2		20	.5	.9			
	.1				.9 – 3			① 565 – .8 – 1.4
30	.1	.3	30		.7			② 550 – .8 – 1.4
	.06	.2			.7			③ 525 – .8 – 1.5
40	.02	.2	40		.7			④ 510 – 1.2 – 1.9
	.05	.09			.7			⑤ 495 – 1.1 – 2.0
50	.18	.07	50		.8 – 2			⑥ 460 – 1.0 – 2.1
	.29	.18			.8			⑦ 450 – 1.4 – 2.5
60	.21	.35	40		.8			⑧ 435 – 1.0 – 1.9
	.3	.5			.8 – 1			⑨ 425 – 1.0 – 1.8
70	.4	.5	70		.7			⑩ 400 – .8 – 1.5
	.3	.5			.7			
80	.3	.6	80		.7			12.0 V 9.6 A = 1.3 ohms
	.5	.4			.7			
90	.6	.5	90		.7			
	.6	.8			.7			
400	.7	.8 – 10	600		.5			
	.5	.8			.6			
10	.5	.7	10		.7			
	.9	.6			.8			

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

MISC

MW		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_2S	5.17
28.01	N_2	4.16
2.02	H_2	3.38

EL PASO NATURAL GAS COMPANY
SAN JUAN DIVISION
FARMINGTON, NEW MEXICO
PRODUCTION DEPARTMENT WATER ANALYSIS

Analysis No. 1-10028 Date 11-12-80

Operator El Paso Natural Gas Well Name San Juan 30-6 #45A

Location SE 15-30-6 County Rio Arriba State New Mexico

Field Blanco Formation

Sampled From CPS 1479 W @380 ft.

Date Sampled 7-22-80 By Robert Babnick

Tbg. Press. Csg. Surface Csg. Press.

	ppm	epm		ppm	epm
Sodium	612	26.6	Chloride	76	2.1
Calcium	565	28.2	Bicarbonate	200	3.3
Magnesium	31	2.6	Sulfate	2500	52
Iron	No test		Carbonate	0	0
H_2S	No test		Hydroxide	0	0

Total Solids Dissolved 4130

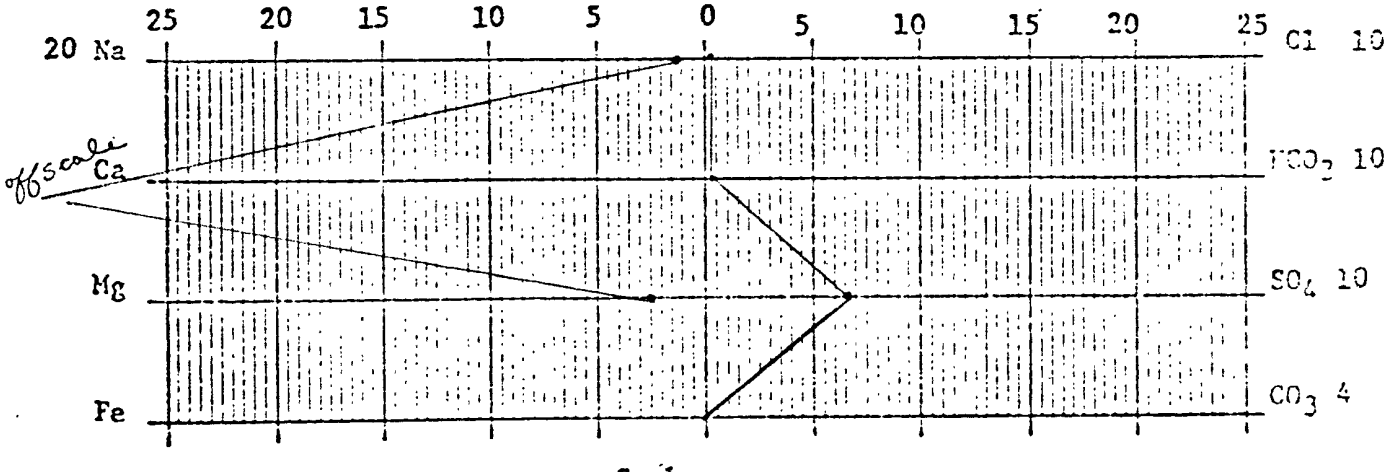
pH 7.3

Sp. Gr. .9994 At 60°F

Resistivity 217 ohm-cm at 77 °F

Joe Barnett
Chemist

cc: C.B. O'Nan
R.A. Ullrich
E.R. Paulek
J.W. McCarthy
A.M. Smith
W.B. Shropshire
D.C. Adams
File



Scale: epm