

#10 30-045-09412
#200 30-045-27046

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

Operator MERIDIAN OIL INC. Location: Unit M Sec. 10 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SAN JAUN #10, #200

cps 2072w

Elevation 6471' Completion Date 5/18/63 Total Depth 220' 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. N/A

Depths gas encountered: N/A

Type & amount of coke breeze used: 1615 lbs.

Depths anodes placed: 204', 298', 192', 186', 180', 145', 80', 74'

Depths vent pipes placed: N/A

Vent pipe perforations: N/A

Remarks: gb #1 (LOST FIRST HOLE (160'))

gb #2 gb #3

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

#200

DATE 5-18-63

WELL NAME SAN JUAN #10 CPS NO. 254W2072

LOCATION 10-30N - 10W

WORK ORDER NUMBER 184-40542-50-02

ANODE HOLE DEPTH 220'

TOTAL DRILLING RIG TIME 10 1/2 hrs

DRILLING TIME FOR RECTIFIER POLE HOLE _____

TYPE AND SIZE BIT USED ~~Scotch~~ Lost Bit #3409 in Hole

NUMBER SACKS MUD USED 2

NUMBER SACKS LOST CIRCULATION MAT'L USED 0

ANODE DEPTHS #1 204', #2 198', #3 192', #4 186' 51806'45780874'

TOTAL LBS. COKE USED 1615 165

ANODE OUTPUTS 12 VOLTS, #1 1.8, #2 2.8, #3 2.0, #4 1.4 5.4 6.1 7.1 8.2 9.5

TOTAL CIRCUIT RESISTANCE: VOLTS 11.2 AMPERES 6.7 OHMS 1.68

NUMBER FEET SURFACE CABLE CONDUIT 565'

DRILLING LOG (ATTACH HERETO).

FORMATION LOG (ATTACH HERETO).

REMARKS: Static V/s = .70 @ 500' W So. 1 Box Readings 1000's

Installed Lead-All Rect 28V-12A Serial # = 62C6161

Twisted off Bit & sub assembly Abandoned same

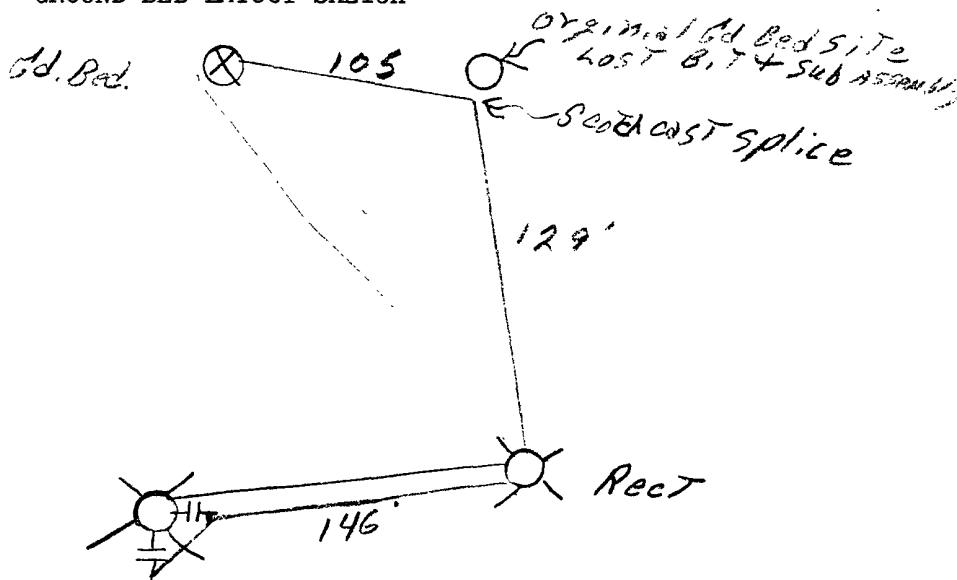
Moved Gd. Bed site

NOTE: one EXTRA SCOTCHCAST ROCK used on this location

ALL CONSTRUCTION COMPLETED

E. Paulk
SIGNATURE

GROUND BED LAYOUT SKETCH



ORIGINAL & 1 COPY
ALL REPORTS

6471

1950'

MORNING

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[illegible]

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REMARKS -

0310

Company Supervisor

282

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

Operator MERIDIAN OIL INC. Location: Unit M Sec. 10 Twp 30 Rng 10

Name of Well/Wells or Pipeline Serviced SAN JAUN #10, #200

cps 2072w

Elevation 6471' Completion Date 1/12/89 Total Depth 425' 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. 230' NO SAMPLE

Depths gas encountered: N/A

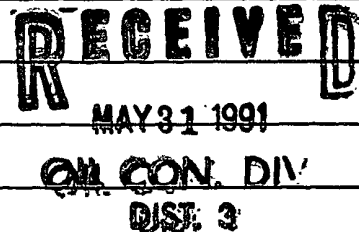
Type & amount of coke breeze used: N/A

Depths anodes placed: 390', 380', 370', 360', 350', 310', 300', 290', 280', 255'

Depths vent pipes placed: 430'

Vent pipe perforations: 260'

Remarks: gb #3



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WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Comp 1-17-89

Drilling Log (Attach Hereto) ☒

Completion Date 1-12-89

CPS #	Well Name, Line or Plant	Work Order #	Static:	Ins Union Check
2072-w	SAN JUAN #200	3412A	600'w=-87	☒ Good ☐ Bad
Location	Anode Size	Anode Type	Size Bit	
M 10-30-10	2" x 60'	Duriron	6 3/4"	
Depth Drilled	Depth Logged	Drilling Rig Time	Total Lbs. Goke Used	Lost Circulation Mat'l Used
425'	425'			
Anode Depth				
# 1 390'	# 2 380'	# 3 370'	# 4 360'	# 5 350'
# 6 310'	# 7 300'	# 8 290'	# 9 280'	# 10 255'
Anode Output (Amps)				
# 1 3.4	# 2 3.2	# 3 3.2	# 4 3.2	# 5 3.5
# 6 3.8	# 7 4.5	# 8 3.6	# 9 4.0	# 10 3.5
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 11.5	Amps 18.2	Ohms .632		

Remarks: DRILLED 425' LOGGED 425'. DRILLER SAID WATER AT 230', NO SAMPLE. INSTALLED 430' OF 1" PVC VENT PIPE PERFORATED BOTTOM 260'.

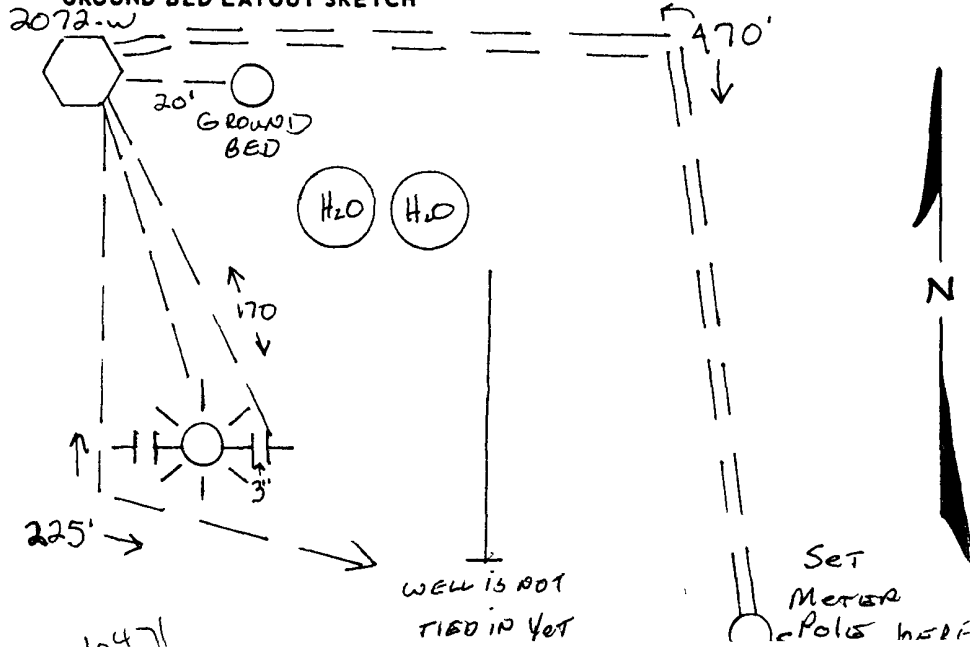
Rectifier Size: 40 v 16 A
Addn'l Depth
Depth Credit: 75' 3.50
Extra Cable: 870' 24
Ditch & 1 Cable: 715' 70
25' Meter Pole:
20' Meter Pole: 1
10' Stub Pole: 1
Junction Box: 1

All Construction Completed

(Signature)

4074.00
669.00 Rect.
-262.50 CREDIT ✓
208.80 EX. CABLE ✓
500.50 DITCH + 1 ✓
297.00 M.P. ✓
158.50 STUB P. ✓
225.00 J. BOX ✓
5870.30
293.52 TAX
6163.82 OK 9/8

GROUND BED LAYOUT SKETCH



D. CIASS DRILLING CO.

Drill No. 3

DRILLER'S WELL LOG

S. P. No. SAN JUAN #200 Date 1-12-89

Client Meridian Oil Co. Prospect _____

County SAN JUAN State New Mex.

If hole is a redrill or if moved from original staked position show distance
and direction moved: _____

FROM	TO	FORMATION — COLOR — HARDNESS
0	80	SAND
80	130	SANDY SHALE
130	150	SANDSTONE
150	165	SHALE
165	230	SAND
230	275	SANDY SHALE
275	310	SHALE
310	370	SANDY SHALE
370	385	SANDSTONE
385	420	SANDY SHALE

Mud _____ Brn _____ Lime _____

Rock Bit Number _____ Make _____

Remarks: Water @ 230'

Driller RONNIE BROWN

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NORTHWESTERN NEW MEXICO
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Operator MERIDIAN OIL INC. Location: Unit M Sec. 10 Twp 30 Rng. 10

Name of Well/Wells or Pipeline Serviced SAN JUAN #10, #200
cps 2072w

Elevation 6471' Completion Date 5/18/72 Total Depth 420' 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. 220'

Depths gas encountered: N/A

Type & amount of coke breeze used: 7200 lbs.

Depths anodes placed: 395', 385', 375', 365', 355', 345', 335', 290', 280', 245'

Depths vent pipes placed: N/A

Vent pipe perforations: 300'

Remarks: gb #2

RECEIVED

MAY 31 1991

OIL CON. DIV
DIST. 3

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WELL CASING
CATHODIC PROTECTION CONSTRUCTION REPORT
DAILY LOG

Handwritten signature

Drilling Log (Attach Hereto). ☐ #208

Completion Date **5-18-72**

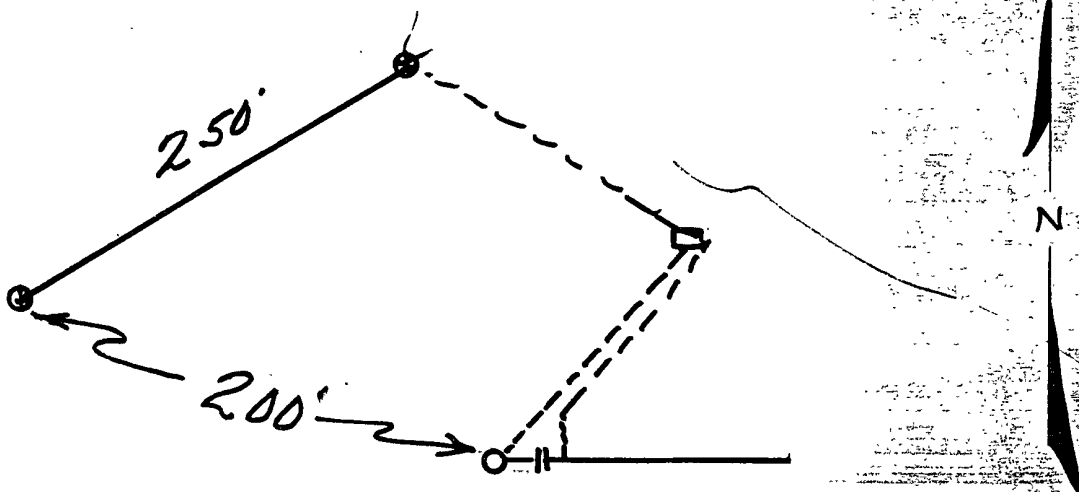
Well Name SAN JUAN #10		Location SW10-30-10		CPS No. 2540 2072	
Type & Size Bit Used 6 3/4				Work Order No. 184-90094-60-20	
Anode Hole Depth 420	Total Drilling Rig Time	Total Lbs. Coke Used 7200	Lost Circulation Mat'l Used	No. Sacks Mud Used	
Anode Depth					
#1 395	#2 385	#3 375	#4 365	#5 355	#6 345
#7 335	#8 290	#9 280	#10 245		
Anode Output (Amps)					
#1 3.3	#2 3.6	#3 4.2	#4 3.7	#5 4.2	#6 4.1
#7 2.4	#8 4.2	#9 3.4	#10 3.5		
Anode Depth					
#11	#12	#13	#14	#15	#16
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 12.4	Amps 13.7	Ohms 0.90			

Remarks: **Stop Drilling at 4:00 AM, Log at 9:30 AM**
Water level at 375, Log 375' to 430. Driller said water
at 220; Fill Hole with Water, Log From 240 to 430
Hose Perforated 300' After installing Anodes, Water
Dropped to 335' — Pumped Coke within 75' of surface
Est. 60 Bags, Slurry 75' Est 12 Bags - Total = 7200

All Construction Completed.

Handwritten signature: Paulek - Amels
(Signature)

GROUND BED LAYOUT SKETCH



lect 11

EL PASO NATURAL GAS COMPANY
DRILLING DEPARTMENT

DAILY DRILLING REPORT

LEASE San Juan WELL NO. #10 CONTRACTOR Motion RIG NO. 2072 REPORT NO. DATE 5-15 1972

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	18	large sand			220	240	medium blue sand shale							
18	120	dry sand & shale			240	255	shale			370	375	shale		
120	140	clayey sand			255	280	shale			375	400	shale		
140	220	dry sand			280	310	medium blue sand shale			400	475	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 -

SIGNED: Toolpusher _____

Company Supervisor _____

EL PASO NATURAL GAS COMPANY
ENGINEERING DEPARTMENT

Sheet _____ of _____

Date: _____

By: _____

35420 - S.N. #10 - SW10-30-10

L-12-72

MW	gas/mol
16	C ₁ 6.4
30	C ₂ 8.55
44	C ₃ 10.42
58	ICA 12.38
72	NC ₄ 11.93
86	ICA 13.85
100	NC ₅ 13.71
114	ICA 15.50
128	CA 15.57
142	IC ₆ 17.2
156	C ₇ 17.46
170	C ₈ 16.38
184	C ₉ 9.44
198	C ₁₀ 9.57

200		60	2.6	Stop Drilling at 4:00 PM		
			2.35 L	Log at 4:30 PM		
10		90	2.3	Wtr level at 375'		
			2.0 ✓	Log From 375 To 430		
20		100	1.8	Driller Sold Water 220'		
			1.7	Fill with water from		
30		10	1.5	240' To 430'		
			1.5	Hasc Perforated 300'		
40	2.2	20	1.42			
	2.35		1.42	Log.	Wtr	Coke
50	1.1	30	1.3	1	395	2.0 1.9 3.3
	1.0		2.1-0.0	2	385	2.35 2.2 3.6
60	1.3	40		3	375	2.85 2.4 4.2
	1.8			4	365	2.6 1.7 3.7
70	1.3			5	355	2.7 2.0 4.2
	1.1			6	345	2.9 2.1 4.1
80	2.2			7	335	2.0 (1.2) Above wtr. 2.4
	2.6			8	290	2.1 (2.2) 4.2
90	2.1			9	280	2.3 (1.5) 3.4
	1.6			10	245	2.35 (1.7) 3.5
200	1.45					
	1.6					
10	1.6	Pumped to 75' of surface				
	1.2	Est. 60 Bbls				
70	1.2					
	75					
30	50	12.4V 13.7A 0.90 n				
	2.0					
40	2.9					
	2.9					
50	2.8					
	2.7					
60	2.7					
	2.6 ✓					
70	2.9					
	2.45 ✓					

MW	MISC	gas/mol
44	CO ₂	6.39
72	H ₂ O	5.17
72	N ₂	4.16
2	H ₂	3.38