

Submit 1 Copy To Appropriate District Office
District I - (575) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised August 1, 2011

WELL API NO. 30-025-25161-0000
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. E-9713
7. Lease Name or Unit Agreement Name State <u>W</u>
8. Well Number <u>X-SWDW</u>
9. OGRID Number <u>171297</u>
10. Pool name or Wildcat <u>SWD;</u> <u>N. Mescalero Ciseo</u> <u>Wolfcamp Ciseo</u>

SUNDRY NOT RECEIVED REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)

1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ Saltwater Disposal

2. Name of Operator
Marjo Operating Co., Inc.

3. Address of Operator
P.O. Box 729, Tulsa, OK 74101-0729

4. Well Location
Unit Letter L: 1981 feet from the South line and 660 feet from the West line
Section 11 Township 10S Range 32E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
4291 GR

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☒	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPNS. ☐	P AND A ☐
PULL OR ALTER CASING ☐	MULTIPLE COMPL ☐	CASING/CEMENT JOB ☐	
DOWNHOLE COMMINGLE ☐			
OTHER: ☐		OTHER: ☐	

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

See attached procedure and wellbore diagram. Work to begin ASAP and should take approximately 6 days.

The Oil Conservation Division Must be notified
24 hours prior to the beginning of plugging operations.

*** NOTE CHANGES**

Spud Date: Rig Release Date:

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Carolyn Bennett TITLE Engineer DATE 1/11/2012

Type or print name Carolyn Bennett E-mail address: carolyn@marjoop.com PHONE: 918-583-0241

For State Use Only
APPROVED BY: Mark Whitaker TITLE Compliance Officer DATE 1-20-2012
Conditions of Approval (if any):

JAN 24 2012

Marjo Operating Co., Inc.

RECOMMENDED WORK PROCEDURE

January 11, 2012

Lease: State 11 SWDW
Location: Sec. 11-10S-32E, Lea County, NM

Present Status: TA'd SWDW
Objective: Plug and abandon well

Well data

Elevations: GL = 4291' KB = 4306'
Well Depths: TD = 9000'
Surface Csg: 8 5/8"-32# set at 3520'
Prod Csg: 5 1/2"-17# set at 9000'
Tubing: 2 3/8" tbg and pkr at 8100'
Perforations: Wolfcamp 8162'-8282', Cisco 8802'-8950'

Procedure

1. MIRU WS unit.
2. ND WH & NU BOP
3. POOH w/ 2 3/8" tbg and packer.
4. RU Wireline
5. Set CIBP at 8062'.
6. TIH w/tbg. Circulate hole with mud.
7. Mix and pump 25 sx cement. Displace w/ 9.5 lb mud to CIBP.
8. POOH w/tbg.
9. Perforate squeeze holes at 5062'-5063'.
10. Set cement retainer @ 4972'+/-.
11. TIH w/tbg and stinger.
12. Sting into retainer @ 4972'.
13. Pump into perfs to make sure they are open. Then mix and pump 25 sx cement and displace tbg.
14. Sting out, reverse tbg & TOOH w/tbg.
15. ND BOP, remove B section and weld on pull sub. NU BOP.
16. Pull slips, work pipe, and shoot pipe @ 3470' or deeper. If unable to shoot and pull pipe deeper than 3470', follow instructions in Appendix A.
17. LD 5.5" csg.
18. RIH w/ tbg to 3470' 3520' 50' below cut off
19. Pump 75 sx cement plug.
20. TOH w/tbg.
21. Perforate squeeze holes at 2215'-2216'.
22. Set cement retainer @ 2165'+/-.
23. TIH w/tbg and stinger.
24. Sting into retainer @ 2165'.
25. Pump into perfs to make sure they are open. Then mix and pump 25 sx cement and displace tbg.
26. Sting out, reverse tbg & TOOH w/tbg.
27. LD tbg.
28. Perforate squeeze holes at 450'-451'.

mud should be between all plugs

SQZ under pkr. WOC & TAG

SQZ under pkr. WOC & TAG

- Dry hole marker*
29. Cement to surface.
 30. Cut off csg and weld on ID plate.
 31. RDMO.
 32. Remove tank battery and restore location.

Appendix A

1. RU WL.
 2. Perforate squeeze holes @ 3480'-3481'.
 3. Set cement retainer @ 3320'.
 4. TIH w/tbg & stinger.
 5. Pump into perfs to make sure they are open.
 6. Mix and pump 50 sx cement. Displace tbg.
 7. Sting out, reverse tbg & TOOH w/tbg and stinger.
 8. Let cement set for 8 hrs.
 9. RU WL.
 10. Cut pipe @ 3000'.
 11. LD 5 1/2" casing.
 12. Continue at #21 above.
- > SQZ under pkr. WOL & TAG.*

PROPOSED COMPLETION

Last Updated: 1/11/2012 01:56 PM

Field Name		Lease Name		Well No.
N Mescalero		STATE		11-SWDW
County, State			API No.	
Lea, New Mexico			30-025-25161-0000	
Version	Version Tag			
0				
G.L. (ft)	K.B. (ft)	Sec.	Township/Block	Range/Survey
4,291.0	4,306.0	11	10S	32E
Footage Call			Spud Date	Comp. Date
1981' FSL & 660' From Section			12/5/1975	2/4/1976
Current Status				
Well is currently a TA'd SWDW				
Prepared By		Updated By		Last Updated
Brian		Carolyn		1/11/2012 1.56 PM

S	Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
C	12/5/1975	17.500	0	400	
C		11 000	400	3,420	
C	1/6/1976	7.875	3,420	9,000	Attempted to run logs

S	Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
C		Conductor Casing	13.375	48.00	H40	0	400
C		Surface Casing	8.625	32.00	K55	0	3,420
R		Production Casing	5.500	17.00	J55	0	9,000
A		Production Casing	5.500	17.00	J55	3,470	9,000
R	12/1993	Tubing	2.375			0	8,100

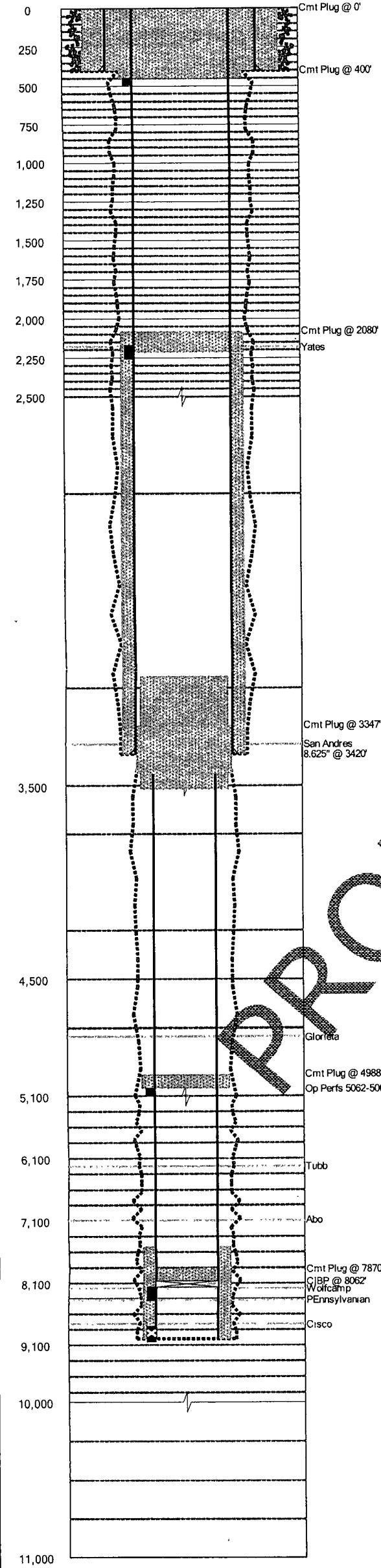
S	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
C		420	13.375	0	400	Cmt circulated PD 2:00 AM 12/6/1975
C		320	8.625	2,220	3,420	Top by Temp Surv. PD 10.30 PM 12/9/75
C		375	5.500	7,510	9,000	PD 3 30 pm 1/6/76. TOC by TS

S	Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
A		CIBP	5.500	0.000	8,062	0
R	7/12/1993	Pkr	5.500	2.375	8,100	0

S	Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
A			13.375	0	400	
A			11.000	400	450	
A			11.000	2,080	2,215	
A		50	8.625	3,347	3,470	
A		25	7.875	3,218	3,520	
A		25	7.875	4,988	5,062	
A		25	5.500	7,870	8,062	

S	C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
A			Open	Yates	450	2,217	12
A			Open	Glorieta	5,062	5,063	2
C		2/1/1988	Open	Wolfcamp	8,162	8,282	56
C		1/14/1976	Open	Cisco	8,802	8,950	48
C		1/26/1976	Squeezed	Cisco	8,858	8,862	

Formation	Top (MD ft)	Comments
Yates	2,180	NULL
San Andres	3,395	NULL
Glorieta	4,795	NULL
Tubb	6,230	NULL
Abo	7,095	NULL
Wolfcamp	8,190	NULL
PEnnyslvanian	8,375	NULL
Cisco	8,762	NULL



PROPOSED COMPLETION

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Field Name		Lease Name		Well No.	County, State		API No.	
N. Mescalero		STATE		11-SWDW	Lea, New Mexico		30-025-25161-0000	
Version	Version Tag				Spud Date	Comp. Date	G.L. (ft)	K.B. (ft)
0					12/5/1975	2/4/1976	4,291 0	4,306.0
Sec.	Township/Block	Range/Survey	Footage Call					
11	10S	32E	1981' FSL & 660' From Section					
Last Updated		Prepared By			Updated By			
01/11/2012 1:56 PM		Brian			Carolyn			
Current Status								
Well is currently a TA'd SWDW								

Hole Summary

S	Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
C	12/5/1975	17.500	0	400	
C		11.000	400	3,420	
C	1/6/1976	7.875	3,420	9,000	Attempted to run logs

Tubular Summary

S	Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)	Comments
C		Conductor Casing	13.375	48.00	H40	0	400	
C		Surface Casing	8.625	32.00	K55	0	3,420	24 & 32# csg
R		Production Casing	5.500	17.00	J55	3,420	9,000	15.5# & 17# J55 & N80 csg
A		Production Casing	5.500	17.00	J55	3,420	9,000	
R	7/12/1993	Tubing	2.375			0	8,100	Plastic lined tubing

Casing Cement Summary

S	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
C		420	13.375	0	400	Class C cmt	Cmt circulated PD 2:03 PM 12/6/1975
C		320	8.625	2,220	3,420	Class C cmt	Top by Temp Surv. PD 10:30 PM 12/9/75
C		375	5.500	7,510	9,000	Class C with 2% Gel, .8# salt & .6% D65 per sack	PD 2:30 PM 1/6/76 TOC by TS

Tools/Problems Summary

S	Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)	Description	Comments
A		CIBP	5.500	0.000	8.06			
R	7/12/1993	Packer	5.500	12.375	8.10	0		

Cement Plug Summary

S	Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
A			13.375	0	400	
A			11.000	400	450	
A			11.000	2,080	2,215	
A		50	8.625	3,347	3,470	
A		25	7.875	3,218	3,230	
A		25	7.875	4,988	5,062	
A		25	5.500	7,870	8,062	

Perforation Summary

S	C	Date	Perf. Status	Formation	Comments		
C		1/14/1976	Open	Cisco			
		Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
		8,802	8,806	2	9		Acid 500 gallons. Swabbed 34' BLW with TO&G.
		8,858	8,862	2	9		AA
		8,887	8,896	1	10		Acid 500 gallons Swab 6 BLW in 3 hrs. Re acidize with 2000 gallons. Swab 20 BLW.
		8,898	8,906	1	9		As above
		8,911	8,915	1	5		As above
		8,945	8,950	1	6		Acid 500 gallons swab 20' BLW with TO
S	C	Date	Perf. Status	Formation	Comments		
C		1/26/1976	Squeezed	Cisco			
		Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
		8,858	8,862				
S	C	Date	Perf. Status	Formation	Comments		
C		2/1/1988	Open	Wolfcamp			
		Top (MD ft)	Bottom (MD ft)	SPF	Shots	Phasing (deg)	Interval Comments
		8,162	8,166	2	8		
		8,211	8,220	2	18		
		8,234	8,238	2	8		
		8,246	8,255	2	18		
		8,280	8,282	2	4		
S	C	Date	Perf. Status	Formation	Comments		
A			Open	Glorieta			

PROPOSED COMPLETION

Last Updated: 1/11/2012 01:56 PM

S	C	Date	Perf. Status	Formation		Comments	
A			Open	Glorieta			
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Comments
5,062		5,063		2	2		
S	C	Date	Perf. Status	Formation		Comments	
A			Open	Yates			
Top (MD ft)		Bottom (MD ft)		SPF	Shots	Phasing (deg)	Interval Comments
450		452		2	4		
2,170		2,172		2	4		
2,215		2,217		2	4		

Formation Top Summary

Formation Name	Top (MD ft)	Comments
Yates	2,180	NULL
San Andres	3,395	NULL
Glorieta	4,795	NULL
Tubb	6,230	NULL
Abo	7,095	NULL
Wolfcamp	8,190	NULL
PEnnyslvanian	8,375	NULL
Cisco	8,762	NULL

Completion History Summary

Date	Comments
12/9/1975	Drlg 3320' anhy & salt
12/30/1975	Drlg 4520 dolo
1/7/1976	TD 9000', MORT
1/14/1976	PBTD 8975. Prep to treat. Perf Cisco
2/23/1976	Pumped 250 BOPD 138 BWPD from 8802 to 8950. 8858 to 8862 squeezed.
2/1/1988	RC to Wolfcamp - dry
5/24/1993	Order to allow SW injection into Cisco and Wolfcamp formations
3/24/1997	Tubing string changed out and packer reset at 8100'