1625 N French Dr., Hobbs, NM 88240

State of New Mexico
Minerals and Natural Resources

Form C-101 June 16, 2008

District II 1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Franco Dr. Scato Fo. NM 8750

JUL 0 6 2010 Oil Conservation Division 1220 South St. Francis Dr.

Submit to appropriate District Office

☐ AMENDED REPORT

1220 S. St. F	rancis Dr., S	Santa Fe, Ni	M 87505	BSOC	3D	Santa	Fe, N	M 875	505						
AP	PLICA'	TION F	OR PERM	IT TO	DRI	LL, RI	E-ENT	ΓER,	DEEP	1			DD A ZONE		
Operator Name and Address							88211-0227			14049					
Marbob Energy Corporation, P.O. Box 227, Ar  3 Property Code 3 Property								30-025-2	30-025-26703 3API Number						
1 ''											° Well No.				
	3232		° 5 - 1 D - 1 1		Lear	r Star						1			
SWD; 54 rawn < 96188						<b>&gt;</b>	<sup>10</sup> Proposed Pool 2								
	,					<sup>7</sup> Surfac	ce Loc	ation							
UL or lot no					South line	Feet from the	- 1		County /						
J	32	18S	32E			•	980'   South   1980'   East		st [	Lea					
	1	r		1	posed Bottom Hole Location If Different From Surface										
UL or lot no	Section	Township	Range	Lot Idn Feet		Feet fro	m the	North/South line		Feet from the	East/W	East/West line County			
					Addit	tional V	Vell Ir	ıforma				<del>-,-1</del>			
11 Work	Type Code		71			13 Cable	Cable/Rotary		1-	14 Lease Type Code		15 Ground Level Elevation			
16 N	E Iultiple		S  17 Proposed Depth			18 Formation			S  19 Contracto				3690.2 20 Spud Date		
, "	rumpie		13,110'			Strawn				Contractor		August 1, 2010			
Hole Size  17 1/2"  12 1/4"		1				posed Casing ng weight/foot 48. 40		setting Depth 428' 4245'		Sacks of Ce 425 2200	ment	nt Estimated TOC  Circ. Cmt.  Circ. Cm2.			
8 3/4"			5 1/2"	17,	17, 20, 23			13,110'		4065		1880'			
				Ĺ									-		
Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary  See Attached Procedure  Name Changed From "Lusk 32 SWD #1"  Name changed to "Lear State SWD #3"  Permit Expires 2 Years From Approval  "Date Unless Drilling Underway  Re-Entry															
23	اک	<u> </u>	- 1223							· ·					
<sup>23</sup> I hereby certify that the information given above is true and complete to the best of my knowledge and belief.						to the	OIL CONSERVATION DIVISION								
Signature Mancy T. Agnew							Approved by:								
Printed name Nancy T. Agnew							Title. PETROLEUM ENGANCEH								
Title: Land Department							Approval Date: JÜL 0 8 2018 Expiration Date:								
E-mail Addre	and land	ltech@m	marbob.com	L								· · · · · · · · · · · · · · · · · · ·			
Date. 7/1/10 Phone 575-728-3303						;	Conditions of Approval Attached								

# NET EXICO OIL CONSERVATION COMMISSIC

Form C-102 Supersedes C-128 Effective 1-1-65

JUL 06 (	2010 ^11 41 **	ances must be fr	on the outer boundaries	of the Section	
Operator	- Lun	"S	Lean State St	<b>5</b> 27	Well No.
Marhob Energy O	Formania	47	Lear State SW	ID	3
J 32	1	9 South	32 East	Lea	
Actual Footage Location of Well:	6 .1		1000	· · · · · · · · · · · · · · · · · · ·	
1930 feet from the Ground Level Elev. Produc	e South	line and		eet trom the East	line line
3690-2	Strawn		SWD; Stra	<96188/	Dedicated Acreage:
		e subject well	l by salared servit	wn	Actes Actes
1. Outline the acreage d	icurcured to the	e Bubject we	it by colored pencil	or hachure marks on	the plat below,
<ol><li>If more than one least interest and royalty).</li></ol>	se is dedicated	d to the well,	outline each and ic	dentify the ownership	thereof (both as to working
3. If more than one lease dated by communitizat	e of different or	wnership is d	edicated to the well	, have the interests	of all owners been consoli-
- dates by communitizat	ion, unitization	, force-poorin	g. etc;		
Yes No	If answer is	'yes," type of	consolidation		
If answer is "no" list	the owners on				
this form if necessary.	)	d tract descri	ptions which have a	actually been consoli-	dated. (Use reverse side of
		vell until all i	nterests have been	congolidated (L	nmunitization, unitization,
forced-pooling, or other	wise) or until a	non-standard	unit, eliminating su	ch interests has been	nmunitization, unitization, n approved by the Commis-
sion.				average and bec	a approved by the Commis-
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ŀ			i		CERTIFICATION
			l i		certify that the information con-
			1		erein is true and complete to the
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				Nancy	Γ. Agnew
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	-		} -	<del> </del>	epartment
+			1	Marbob	Energy Corporation
			i	Date	
; f			!	7/1/10	_
. 1					
in the state of th			,	<b>V</b>	certify that the well location this plat was platted from field
STATE OF CO.		<b>?-</b>	1980		actual surveys made by me ar
	1		. 1	under my	supervision, and that the same
676 F		,	1		nd correct to the best of my
113.1	/		· - <del>-</del>	knowledge	and belief
TO MENTE	'		ĺ	1	
OHN W. WEST		086	1	Finte Survey	-d
		<del>7.</del>	-	4	2-4-1980
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		<u> </u>		John	old Wat
Province of the second				Cogilicaio N	
330 660 '90 1320 1650	1980 2310 2640	2000	1600 1000 80	0 0	PATRICK A. ROMERO 6663 Ronald J. Eldson 3239

## RECEIVED

JUL 0 6 2010 HOBBSOCD Lear State SWD 3 (Permitted as Lusk 32 SWD 1) (formerly Chevron St HU 1) 1980' fsl, 1980' fel J-32-18s-32e Lea Co., NM 30-025-26703

### Reentry/SWD Conversion Procedure 1 Jul 10

#### Basic Data:

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13-3/8" @ 428' Circ. Cmt.
9-5/8" @ 4245' Circ. Cmt.
5-1/2" @ 13110', TOC @ 1880' TS, Cut and Pulled @ 1800'
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Records show 5-1/2"/17,20 and 23 ppg casing run—don't have any information on setting depths of various weights casing or their grade and connection.

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5-1/2"/17ppf Nom. ID=4.892" Drift ID=4.767" (.0232 B/F) 5-1/2"/20ppf Nom. ID=4.778" Drift ID=4.653" (.0221 B/F) 5-1/2"/23ppf Nom. ID=4.670" Drift ID=4.545" (.0211 B/F)
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<u>Objective:</u> Reenter well and convert to Strawn SWD. See wellbore schematic. Give OCD Hobbs 24 hrs notice to witness MIT after running injection packer and tubing (Order SWD-1223). Injection pressure limit = 2317 psi.

### **Procedure:**

- 1. Dig out cellar, dress off 9-5/8" stub, weld extension onto 9-5/8", install 9-5/8" x 11" 3000 casing head (or similar) onto 9-5/8", and plumb one side outlet to surface. Tape up exposed casing and wellhead equipment and fill cellar with gravel.
- 2. Set anchors, MIRU WSU, reverse unit and other reentry equipment. NU BOP and basic choke manifold routed to flowback tank and test pipe rams and blind rams to 300 psi for 30 minutes then 2000 psi for 30 minutes.
- 3. Take delivery of 2-7/8" L80/N80 work string and DCs. Pick up 8.75" bit and drill out plugs shown below with fresh water.

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170 sx. surface plug 0-475' 50 sx. stub plug 1658-1800' (top of 5-1/2" casing stub)
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4. Pick up 4.75" bit and drill out rest of stub plug 1800' to 1860'. Circulate hole clean and TOOH.

- 5. RIH with dress off mill with pilot mill extension and dress off 5' of 5-1/2" casing stub. RIH with washover mill and extension and dress off 5' between 5-1/2" and 9-5/8". Circulate clean and TOOH.
- 6. RU casing running and handling equipment. RIH with 6-5/8" x 5-1/2" or 7" x 5-1/2" slip joint or Bowen Lead Seal Cementing Casing Patch on 5-1/2"/17ppf/J55/LTC casing. Land casing on stub at approx. 1800', pump 400 sx. Class "C" neat, drop plug, displace cement to approx. 1750', clean out cellar and side outlet on 9-5/8" head if needed, install slips/packoff, WOC, install 11" 3000 x 7-1/16" 3000 wellhead.
- 7. NU BOP equipment, RIH with 4-5/8" bit and drill out plugs with fresh water as shown below.

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?? sx. plug 1750-1800' tieback (test casing to 1000 psi) 100 sx. plug 3970-5000' (test casing to 1000 psi) CIBP at 5000' CIBP at 9000' 25 sx. plug ????-10395'
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- 8. RIH and tag CIBP + 25 sx cement 11995' (est tag at 11740', clean out to 11900', circulate well clean and TOOH. Pick up a scraper and RIH with bit and scraper to 11900'.
- 9. RIH with cement retainer, set retainer approx. 9300', pump tubing volume, sting into retainer, establish injection rate and squeeze Bone Spring 9370-9420' with 100 sx Class H with fluid loss. Have extra Class H neat on hand in case need to resqueeze. When squeeze obtained, sting out of retainer, reverse excess cement out of tubing and POOH.
- 10. RIH with cement retainer, set retainer approx. 5000', pump tubing volume, sting into retainer, establish injection rate and squeeze San Andres 5040-5100' with 100 sx Class H with fluid loss. Have extra Class H neat on hand in case need to resqueeze. When squeeze obtained, sting out of retainer, reverse excess cement out of tubing and POOH.
- 11. WOC 24-36 hours, drill out retainer and cement at 5000', test squeeze to 1000 psi, drill out retainer at 9300', test squeeze to 1000 psi, push any junk down to 11900', circulate well clean and POOH. If well doesn't test to 1000 psi, will likely use packer/RBP to isolate leak(s) and squeeze leaks as needed—let's discuss.
- 12. RU lubricator, run GR/CCL Log from 11900' to 11300' then perf Strawn with one shot at the depths shown below (inclusive) using 4" casing gun.

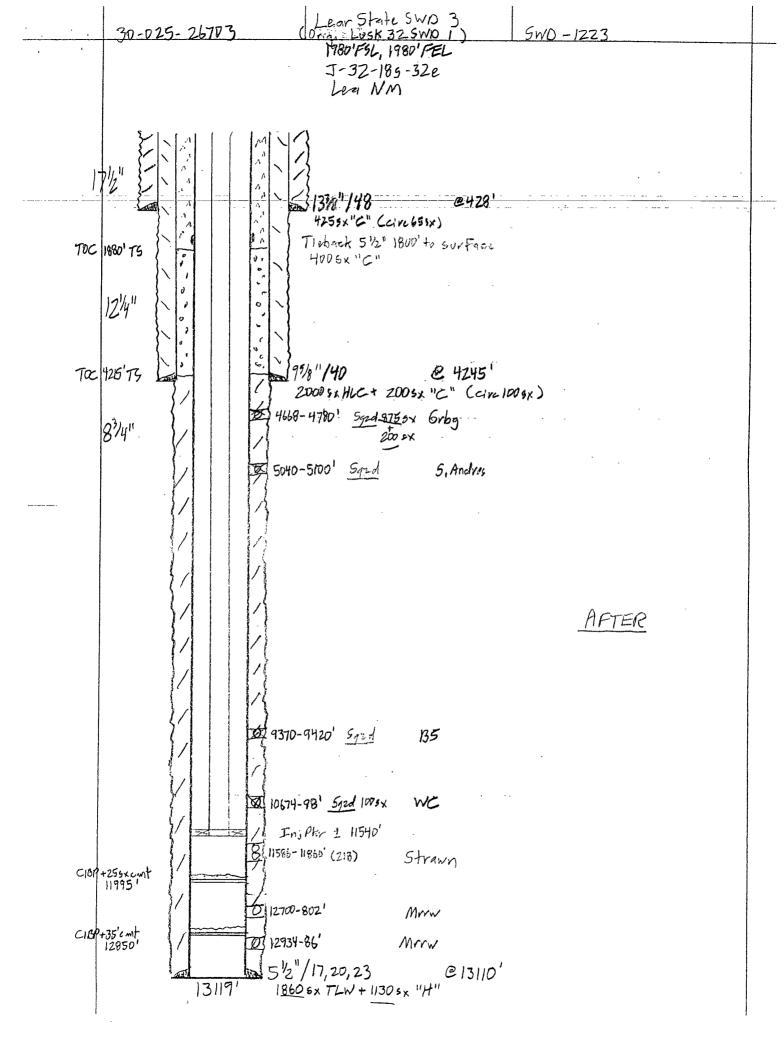
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Strawn: 11586-11650', 11658-11682', 11698-11724', 11744-11778', 11806-11838', 11852-11860' (218) OH Log
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13. RIH with packer to 11880', test CIBP to 3000 psi, pull up to 11850', spot 250 gals NE Fe 15% HCl acid, pull packer to 11500', reverse 10 bbls water down annulus, set packer and acidize 11586-11860' (218) with 20000 gals NE Fe 15% HCl acid at 5-7 bpm while

limiting treating pressure to 5500 psi and holding 1000 psi on annulus. Drop 5 slugs of 50 ball sealers (250) through job. Over flush with a couple of transport loads of fresh or produced water. Bleed down, unseat packer, knock balls off perfs and TOOH laying down work string.

14. Pick up nickel plated injection packer on 2.875"/6.5/L80/EUE Duoline 20 or CLS Glassbore internally lined tubing and RIH to 11540°. Reverse circulate the annulus full of clean inhibited packer fluid (175 bbls annular volume), set packer, test annulus to 500 psi for 30 minutes and record the data on a chart for submission to OCD. OCD must be given 24 hrs notice to witness this test. Plumb tubing x casing annulus so that pressure can be monitored at surface. Limit injection pressure to 2317 psi using a pressure limiting device.

Kbc/lusk 32 swd 1



CIEF+35'cmt 0 12700-802' Mrw

[12950' 0 12934-86' Mrw

[3117' 1860 5x TLW + 1130 5x "H"