UNITED STATES

FORM APPROVED OMB No. 1004-0136 Expires January 31, 2004

UNITED STATES		Operator	Copy	Expires Jai	nuary 31, 2004	
DEPARTMENT OF THE IN	TERIOR	A Company	IVD.	5. Lease Serial No.		
BUREAU OF LAND MANAG	FMENT	MAN	SI	NMNM 14758		
APPLICATION FOR PERMIT TO DR	III OR F	MAR 30	2011	6. If Indian, Allottee	or Tribe Nan	ne
7.1 - 2.7		HORRED	# ! !	, ,		
la. Type of Work: DRILL REENTER	L		GD -	7. If Unit or CA Agre	eement, Name	and No.
1b. Type of Well: Oil Well Gas Well Other		Single Zone	ple Zone	8. Lease Name and W Fast Draw 4 EH Fed		385
2. Name of Operator				9. API Well No.	1-20	121
Mewbourne Oil Company - 14744	21. DL 31	- (: 1 t 1)	····	20-01	2-20	090
		o. (include area code)		10. Field and Pool, or	, .	_
	<u>575-393-59</u>			N Seven Rivers G		
4. Location of Well (Report location clearly and in accordance with a	ny State requ	irements. *)	•	11. Sec., 1., R., M., O	DIK. and Surv	cy of Alca
At surface (SL) 2290' FNL & 330' FWL Unit E				Sec 4, T20S, R25E		
At proposed prod. zone (BHL) 2310' FNL & 330' FEL Unit F	-			, , , ,		
14. Distance in miles and direction from nearest town or post office*		, 100		12. County or Parish	13	. State
14 Miles S of Artesia			 -	Eddy	NN	1
15. Distance from proposed* location to nearest property or lease line, ft.	16. No. of	Acres in lease	17. Spacing	g Unit dedicated to this	well	
(Also to nearest drig. unit line, if any) 330'	1442		160			
8. Distance from proposed location*	19. Propose		20. BLM/E	IA Bond No. on file		
	2573 TV					
4810'	6908' MD			Nationwide 23. Estimated duratio		
21. Elevations (Show whether DF, KDB, RT, GL, etc.)	ASAP	timate date work will st	art	15	n	
9430 GL		-1		110		
	24. Atta		,			
The following, completed in accordance with the requirements of Onshore	e Oil and Gas	Order No.1, shall be att	ached to this	form:		
Well plat certified by a registered surveyor. A Drilling Plan.		4. Bond to cover the Item 20 above). 5. Operator certifica		unless covered by an	existing bond	on file (see
B. A Surface Use Plan (if the location is on National Forest System L SUPO shall be filed with the appropriate Forest Service Office).	ands, the	1	pecific info	rmation and/or plans a	s may be req	uired by the
5. Signature	Name	(Printed/Typed)			Date	
Jacky Lathan	Jacki	e Lathan			11/10/10	
Title (
lobbs Regulatory						
Approved by (Signature)	Name	(Printed/Typed)	/s/ Do	n Peterson	$\frac{Date}{2}$	6/11
FIELD MANAGER	Offic	CARLSE	BAD F			
pplication approval does not warrant or certify that the applicant holds le	gal or equita	ble title to those rights in				
perations thereon. Conditions of approval, if any, are attached.				APPROVAL FO	r two y	'EARS

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

KZ OY/01/17

SEE ATTACHED FOR CONDITIONS OF APPROVAL

Roswell Controlled Water Basin

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS **ATTACHED**

<u>Drilling Program</u> Mewbourne Oil Company

Fast Draw "4" EH Federal Com #1H 2290' FNL & 330' FWL (SHL) Sec 4-T20S-R25E Eddy County, New Mexico

1. The estimated tops of geological markers are as follows:

*Grayburg 400'
*San Andres 705'
*Upper Yeso 2150'
*Glorietta 2300'
*Yeso 2455'

2. Estimated depths of anticipated fresh water, oil, or gas:

Water

Below 100'.

Hydrocarbons

Oil and gas are anticipated in the above (*) formations. These zones will

be protected by casing as necessary.

3. Pressure control equipment:

A 2000# WP annular BOP will be installed after running 9 %" casing. Pressure tests will be conducted and BOPE will remain in use until completion of drilling operations. The BOP will be inspected and operated daily to ensure mechanical integrity and the inspection will be recorded on the daily drilling report.

Will test the BOPE to 1500# with a third party testing company before drilling below shoe as per BLM Onshore Oil and Gas Order #2.

4. MOC proposes to drill a vertical wellbore to 1938' & kick off to horizontal @ 2511' TVD. The well will be drilled to 6908' MD (2573' TVD). See attached directional plan.

5. Proposed casing and cementing program:

A. Casi	ng Program:				
Hole Size	Casing	Wt/Ft.	<u>Grade</u>	<u>Depth</u>	<u>Jt Type</u>
12 1⁄4"	9 ¾ " (new)	36#	J55	0'-730'	LT&C
8 3/4"	7" (new)	26#	J55	0'-1940'	LT&C
8 3/4"	7" (new)	26#	J55	1940'-2830'	MD BT&C
6 1/8"	4 ½" (new)	11.6#	J55	2600'-6908'	MD LT&C

Minimum casing design factors: Collapse 1.125, Burst 1.0, Tensile strength 1.8. *Subject to availability of casing.

Drilling Program
Mewbourne Oil Company
Fast Draw 4 EH Fed Com #1H
Page 2

B. Cementing Program:

- i. <u>Surface Casing</u>: 200 sacks sacks class "C" w/2% CaCl2. Yield at 1.34 cuft/sk. Cmt circulated to surface.
- ii. <u>Intermediate Casing</u>: 150 sacks Class C light cement with additives. Yield at 2.05 cuft/sk. 200 sacks Class C cement w/fluid loss additives. Yield at 1.33 cuft/sk Cmt circulated to surface.
- iii. <u>Production Liner</u>: This will be a Packer/Port completion from TD up inside 7" casing with packer type liner hanger.

 $\mathcal{L}_{\mathcal{N}}^{\mathcal{E}}$ Mewbourne Oil Company reserves the right to change cement designs as hole conditions may warrant.

6. Mud Program:

Interval	Type System	Weight	Viscosity	Fluid Loss
0'-730'	FW spud mud	8.6-9.0	32-34	NA
730'-1940'	Fresh water	8.4-8.6	28-30	NA
1940'- TD	FW w/Polymer	8.5-8.7	32-35	20

7. Evaluation Program:

See COA

Samples:

10' samples from surface casing to TD.

Logging:

Gyro & GR Surface to 1840'.

8. Downhole Conditions

Zones of abnormal pressure:

Zones of lost circulation:

ssure: None anticipated

Maximum bottom hole temperature:

Anticipated in surface and intermediate holes

100 degree F

Maximum bottom hole pressure:

8.4 lbs/gal gradient or less

9. Anticipated Starting Date:

Mewbourne Oil Company intends to drill this well as soon as possible after receiving approval with approximately 15 days involved in drilling operations and an additional 10 days involved in completion operations on the project.

Mewbourne Oil Co

Eddy, New Mexico Sec 4-20S-25E Fast Draw 4 EH Federal Com #1H

Wellbore #1

Plan: Design #1

DDC Well Planning Report

28 October, 2010



Well Planning Report



Database EDM 5000.1 Single User Db

Company: Mewbourne Oil Co Project: Eddy, New Mexico Sec 4-20S-25E

Fast Draw 4 EH Federal Com #1H Well:

Wellbore Wellbore #1 Design #1

Local Co-ordinate Reference:

TVD Reference: MD Reference: North Reference:

Survey Calculation Method:

Well Fast Draw 4 EH Federal Com #1H WELL @ 3514.0usft (Patterson UTI #101) WELL @ 3514.0usft (Patterson UTI #101)

Grid

Minimum Curvature

Eddy, New Mexico

Map System: Geo Datum:

US State Plane 1927 (Exact solution) NAD 1927 (NADCON CONUS)

Map Zone: New Mexico East 3001 System Datum:

Mean Sea Level

Site Sec 4-20S-25E

Site Position:

Northing:

Latitude:

32° 35' 58.542 N

From:

Map

Easting:

Longitude: 452,952.66 usft

104° 29' 9.974 W

Position Uncertainty:

Slot Radius:

13-3/16 "

Grid Convergence:

-0.08°

Wella Fast Draw 4 EH Federal Com #1H

Well Position

+N/-S +E/-W

1,377.2 usft -3,319.7 usft Northing: Easting:

583,255.23 usft 449,632.91 usft Latitude:

32° 36' 12.121 N

Position Uncertainty

0.0 usft

0.0 usft

Wellhead Elevation:

Longitude: **Ground Level:** 104° 29' 48.806 W 3,495.0 usft

Wellbore - -Wellbore #1

Magnetics Model Name

Declination

IGRF200510

10/27/2010

8.10

60.41

48,837

Design Design #1

Audit Notes:

Version:

0.0

PLAN

Tie On Depth:

0.0

Vertical Section:

Phase: Depth From (TVD)

(usft)

Direction (°)

(usft) (usft) 0.0 90.31

THE CONTRACTOR OF STREET, SALES	Plan Sections, Measured Depth : ir (usft)	nclination A	And the second second second	Vertical Depth (usft)	+N/-S (usft)	+E/-W	Dogleg Rate /100usft) (°	Build Rate /100ùsft) - (?)	Turn Rate 100usft)	TFO (?)	Target ::	
	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00		
	1,938.1	0.00	0.00	1,938.1	0.0	0.0	0.00	0.00	0.00	0.00		
	2,829.4	89.13	90.31	2,511.0	-3.0	564.2	10.00	10.00	10.13	90.31		
	6.908.4	89.13	90.31	2.573.0	-24.9	4.642.7	0.00	0.00	0.00	0.00 PB	HI Fast Draw 4	

DDC Well Planning Report



Database: Company Project: Site: Well EDM 5000.1 Single User Db

Mewbourne Oil Co Eddy, New Mexico Sec 4-20S-25E

Fast Draw 4 EH Federal Com #1H

Wellbore #1

Local Co-ordinate Reference: Well Fast Draw 4 EH Federal Com #1H
TVD Reference: WELL @ 3514.0usft (Patterson UTI #10
MD Reference: WELL @ 3514.0usft (Patterson UTI #10
North Reference: Grid
Survey, Calculation Method: Minimum Curvature WELL @ 3514.0usft (Patterson UTI #101) WELL @ 3514.0usft (Patterson UTI #101)

Design:	Design #1	d mas maket a appear of the page	e. Different for the transfer of the second control on the				m a budi cumming macus sa sa sa budi budi	2000 times mention was as a magnitude	
Planned Survey									
Measured			Vertical*			Vertical	Dogleg	Build	Turn :
Depth (usff)		Azimuth.	Depth (usft)	+N/-S (usft) *	+E/-W	Section (usft)	Rate (°/100usft) (Rate	Rate (°/100usft)
0.0	-(°) 0.00	(°)	0.0	0.0	(usft): 0.0	0.0	0.00	0.00	0.00
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0 300.0	0.00 0.00	0.00 0.00	200.0 300.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
400.0	0.00	0.00	400.0	0.0	0.0	0.0	0.00	0.00	0.00
500.0 600.0	0.00 0.00	0.00 0.00	500.0 600.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
700.0	0.00	0.00	700.0	0.0	0.0	0.0	0.00	0.00	0.00
800.0 900.0	0.00 0.00	0.00 0.00	800.0 900.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
1,000.0	0.00	0.00	1,000.0	0.0	0.0	0.0	0.00	0.00	0.00
1,100.0	0.00	0.00	1,100.0	0.0	0.0	0.0	0.00	0.00	0.00
1,200.0 1,300.0	0.00 0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,400.0	0.00	0.00 0.00	1,300.0 1,400.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00 0.00	0.00 0.00	0.00 0.00
1,500.0	0.00	0.00	1,500.0	0.0	0.0	0.0	0.00	0.00	0.00
1,600.0 1,700.0	0.00 0.00	0.00 0.00	1,600.0 1,700.0	0.0 0.0	0.0 0.0	0.0 0.0	0.00	0.00 0.00	0.00
1,800.0	0.00	0.00	1,700.0	0.0	0.0	0.0	0.00	0.00	0.00 0.00
1,900.0	0.00	0.00	1,900.0	0.0	0.0	0.0	0.00	0.00	0.00
	100' @ 1938' MD								
1,938.1 2,000.0	0.00 6.19	0.00 90.31	1,938.1 1,999.9	0.0 0.0	0.0 3.3	0.0 3.3	0.00 10.00	0.00 10.00	0.00
2,100.0	16.19	90.31	2,097.9	-0.1	22.7	22.7	10.00	10.00	0.00 0.00
2,200.0	26.19	90.31	2,191.0	-0.3	58.8	58.8	10.00	10.00	0.00
2,300.0	36.19	90.31	2,276.4	-0.6	110.5	110.5	10.00	10.00	0.00
2,400.0 2,500.0	46.19 56.19	90.31 90.31	2,351.6 2,414.2	-0.9 -1.4	176.3 254.1	176.3 254.1	10.00	10.00	0.00
2,600.0	66.19	90.31	2,414.2	-1.4 -1.8	341.6	25 4 .1 341.7	10.00 10.00	10.00 10.00	0.00 0.00
2,700.0	76.19	90.31	2,494.5	-2.3	436.2	436.2	10.00	10.00	0.00
2,800.0	86.19	90.31	2,509.8	-2.9	534.9	534.9	10.00	10.00	0.00
EOC @ 28 2,829.4	29' MD / 89.13° In 89.13	ic / 90.31° A : 90.31	zm / 2511' TV D 2,511.0	-3.0	564.2	564.2	10.00	10.00	0.00
2,900.0	89.13	90.31	2,511.0	-3.4	634.8	634.8	0.00	0.00	0.00
3,000.0	89.13	90.31	2,513.6	-3.9	734.8	734.8	0.00	0.00	0.00
3,100.0 3,200.0	89.13 89.13	90.31 90.31	2,515.1 2,516.6	-4.5 -5.0	834.8 934.8	834.8 934.8	0.00 0.00	0.00 0.00	0.00 0.00
3,300.0	89.13	90.31	2,518.1	-5.6	1,034.8	1,034.8	0.00	0.00	0.00
3,400.0	89.13	90.31	2,519.7	-6.1	1,134.8	1,134.8	0.00	0.00	0.00
3,500.0	89.13	90.31	2,521.2	-6.6	1,234.8	1,234.8	0.00	0.00	0.00
3,600.0 3,700.0	89.13 89.13	90.31 90.31	2,522.7 2,524.2	-7.2 -7.7	1,334.7 1,434.7	1,334.8 1,434.8	0.00 0.00	0.00 0.00	0.00 0.00
3,800.0	89.13	90.31	2,525.7	-8.2	1,534.7	1,534.7	0.00	0.00	0.00
3,900.0 4,000.0	89.13	90.31	2,527.3	-8.8	1,634.7	1,634.7	0.00	0.00	0.00
4,000.0	89.13 89.13	90.31 90.31	2,528.8 2,530.3	-9.3 -9.9	1,734.7 1,834.7	1,734.7 1,834.7	0.00 0.00	0.00 0.00	0.00 0.00
4,200.0	89.13	90.31	2,531.8	-10.4	1,934.7	1,934.7	0.00	0.00	0.00
4,300.0	89.13	90.31	2,533.3	-10.9	2,034.7	2,034.7	0.00	0.00	0.00
4,400.0 4,500.0	89.13 89.13	90.31 90.31	2,534.9 2,536.4	-11.5 -12.0	2,134.6 2,234.6	2,134.7 2,234.7	0.00 0.00	0.00 0.00	0.00 0.00
4,600.0	89.13	90.31	2,536.4 2,537.9	-12.0 -12.5	2,23 4 .6 2,334.6	2,234.7 2,334.7	0.00	0.00	0.00
4,700.0	89.13	90.31	2,539.4	-13.1	2,434.6	2,434.6	0.00	0.00	0.00
4,800.0	89.13	90.31	2,540.9	-13.6	2,534.6	2,534.6	0.00	0.00	0.00
4,900.0	89.13	90.31	2,542.5	-14.1	2,634.6	2,634.6	0.00	0.00	0.00

DDC

Well Planning Report



Database (Company: Project: Site: Well: Wellbore: Design: EDM 5000.1 Single User Db Mewbourne Oil Co

Eddy, New Mexico Sec 4-20S-25E

Fast Draw 4 EH Federal Com #1H

Wellbore #1 Design #1

Local Co-ordinate Reference:

TVD Reference:

MD Reference:

North Reference:

Survey, Galculation Method:

Well Fast Draw 4 EH Federal Com #1H

WELL @ 3514.0usft (Patterson UTI #10

WELL @ 3514.0usft (Patterson UTI #10

Grid

Minimum Curvature WELL @ 3514.0usft (Patterson UTI #101) WELL @ 3514.0usft (Patterson UTI #101)

Measured Depth Inclination Azimuth Depth HV/S HE/Wy Section Rate R	Planned Survey									
(USH) (F) (ST) (USH) (USH) (USH) (USH) (USH) (C/100USH)	Measured			Vertical			Vertical	Dogleg	Build	Turn
5,000.0 89.13 90.31 2,544.0 -14.7 2,734.6 2,734.6 0.00 0.00 0.00 5,100.0 89.13 90.31 2,545.5 -15.2 2,834.6 2,834.6 0.00 0.00 0.00 5,200.0 89.13 90.31 2,547.0 -15.8 2,934.5 2,934.6 0.00 0.00 0.00 0.00 5,200.0 89.13 90.31 2,547.0 -15.8 2,934.5 2,934.6 0.00 0.00 0.00 0.00 5,400.0 89.13 90.31 2,555.1 -16.3 3,034.5 3,034.6 0.00 0.00 0.00 0.00 5,400.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 0.00 5,600.0 89.13 90.31 2,553.1 -17.9 3,334.5 3,234.5 0.00 0.00 0.00 5,600.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,555.6 -19.0 3,534.5 3,534.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 0.00 6,000.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 0.00 6,000.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,566.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,566.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,566.3 -22.2 4,134.4 4,134.4 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,900.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 0	Depth	Inclination	Azimuth	Depth	+N/-S **	+E/-W	Section	Rate	Rate	Rate
5,100.0 89.13 90.31 2,545.5 -15.2 2,834.6 2,834.6 0.00 0.00 0.00 5,200.0 89.13 90.31 2,544.5 -16.3 3,034.5 3,034.6 0.00 0.00 0.00 5,400.0 89.13 90.31 2,550.1 -16.8 3,134.5 3,134.6 0.00 0.00 0.00 0.00 5,500.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 0.00 5,600.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,534.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 0.00 6,000.0 89.13 90.31 2,550.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 0.00 6,000.0 89.13 90.31 2,550.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,000.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,568.8 -21.7 4,034.4 4,134.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -22.7 4,234.4 4,134.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -22.7 4,234.4 4,134.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00	(usft)	S (°)	- (°)	(usft)	(üsft)	(usft)	(usft)	(°/100usft)-	(°/100usft) 🔩	(°/100üstt)
5,100.0 89.13 90.31 2,545.5 -15.2 2,834.6 2,834.6 0.00 0.00 0.00 0.00 5,200.0 89.13 90.31 2,548.5 -16.3 3,034.5 2,934.6 0.00 0.00 0.00 0.00 5,400.0 89.13 90.31 2,550.1 -16.8 3,134.5 3,134.6 0.00 0.00 0.00 0.00 5,500.0 89.13 90.31 2,550.1 -16.8 3,134.5 3,234.5 0.00 0.00 0.00 0.00 5,600.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 0.00 5,600.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,334.5 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 0.00 5,800.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,534.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 0.00 6,100.0 89.13 90.31 2,550.7 -20.6 3,834.4 3,734.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,566.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,566.8 -22.7 4,034.4 4,034.5 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,134.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,000 89.13 90.31 2,566.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,900.0 89.13 90.31 2,566.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,900.0 89.13 90.31 2,566.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,900.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 0.00 0.00 6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 0.00 0.00 0.00 0.0	5,000.0	89.13	90.31	2,544.0	-14.7	2.734.6	2,734.6	0.00	0.00	0.00
5,200.0 89.13 90.31 2,547.0 -15.8 2,934.5 2,934.6 0.00 0.00 0.00 0.00 5,300.0 89.13 90.31 2,548.5 -16.3 3,034.5 3,034.6 0.00 0.00 0.00 0.00 5,400.0 89.13 90.31 2,550.1 -16.8 3,134.5 3,134.6 0.00 0.00 0.00 0.00 5,500.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,534.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 0.00 6,000.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,550.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,566.8 -21.7 4,034.4 4,034.5 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,566.8 -21.7 4,034.4 4,134.4 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,134.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.3 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,568.3 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5,100.0	89.13	90.31		-15.2	2.834.6		0.00	0.00	0.00
5,400.0 89.13 90.31 2,550.1 -16.8 3,134.5 3,134.6 0.00 0.00 0.00 5,500.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 0.00 5,600.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 0.00 0.00 5,700.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,634.5 0.00 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0	5,200.0							0.00	0.00	0.00
5,400.0 89.13 90.31 2,550.1 -16.8 3,134.5 3,134.6 0.00 0.00 0.00 5,500.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 5,600.0 89.13 90.31 2,553.1 -17.9 3,334.5 3,334.5 0.00 0.00 0.00 5,700.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 5,800.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,534.5 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 6,000.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 6,100.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00	5,300.0	89.13	90.31	2.548.5	-16.3	3.034.5	3,034.6	0.00	0.00	0.00
5,500.0 89.13 90.31 2,551.6 -17.4 3,234.5 3,234.5 0.00 0.00 0.00 5,600.0 89.13 90.31 2,553.1 -17.9 3,334.5 3,334.5 0.00 0.00 0.00 5,700.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,534.5 0.00 0.00 0.00 5,800.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,634.5 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 6,000.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 6,100.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 6,200.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 6,400.0 89.13 90.31 2,565.3 -22.2 4,134.4 4,034.5 <td>5,400.0</td> <td>89.13</td> <td>90.31</td> <td></td> <td></td> <td></td> <td></td> <td>0.00</td> <td>0.00</td> <td>0.00</td>	5,400.0	89.13	90.31					0.00	0.00	0.00
5,600.0 89.13 90.31 2,553.1 -17.9 3,334.5 3,334.5 0.00 0.00 0.00 5,700.0 89.13 90.31 2,554.6 -18.4 3,434.5 3,434.5 0.00 0.00 0.00 5,800.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,534.5 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 0.00 0.00 0.00 6,000.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 6,100.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 6,200.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 6,300.0 89.13 90.31 2,562.2 -21.7 4,034.4 4,034.5 0.00 0.00 0.00 6,400.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,034.4 0.00									0.00	0.00
5,800.0 89.13 90.31 2,556.2 -19.0 3,534.5 3,534.5 0.00 0.00 0.00 5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 6,000.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 6,100.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 6,200.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 6,300.0 89.13 90.31 2,565.3 -21.7 4,034.4 4,034.5 0.00 0.00 0.00 6,400.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,000 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,000 0.00 0.00 6,700.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00	5,600.0	89.13	90.31		-17.9		3,334.5	0.00	0.00	0.00
5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 0.00 6,000.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 0.00 6,100.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 0.00 6,300.0 89.13 90.31 2,563.8 -21.7 4,034.4 4,034.5 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,565.3 -22.2 4,134.4 4,134.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,600.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,334.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5,700.0	89.13	90.31	2,554.6	-18.4	3,434.5	3,434.5	0.00	0.00	0.00
5,900.0 89.13 90.31 2,557.7 -19.5 3,634.5 3,634.5 0.00 0.00 0.00 6,000.0 89.13 90.31 2,559.2 -20.1 3,734.4 3,734.5 0.00 0.00 0.00 6,100.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 6,200.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 6,300.0 89.13 90.31 2,565.3 -21.7 4,034.4 4,034.5 0.00 0.00 0.00 6,400.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,134.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,568.8 -22.7 4,234.4 4,000 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00	5,800.0	89.13	90.31	2,556.2	-19.0	3,534.5	3,534.5	0.00	0.00	0.00
6,100.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 0.00 6,300.0 89.13 90.31 2,563.8 -21.7 4,034.4 4,034.5 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,565.3 -22.2 4,134.4 4,134.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,000 0.91 3 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,344.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00	5,900.0	89.13	90.31	2,557.7	-19.5	3,634.5		0.00	0.00	0.00
6,100.0 89.13 90.31 2,560.7 -20.6 3,834.4 3,834.5 0.00 0.00 0.00 0.00 6,200.0 89.13 90.31 2,562.2 -21.1 3,934.4 3,934.5 0.00 0.00 0.00 0.00 6,300.0 89.13 90.31 2,563.8 -21.7 4,034.4 4,034.5 0.00 0.00 0.00 0.00 6,400.0 89.13 90.31 2,565.3 -22.2 4,134.4 4,134.4 0.00 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,000 0.91 3 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,344.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6,000.0	89.13	90.31	2,559.2	-20.1	3,734.4	3,734.5	0.00	0.00	0.00
6,300.0 89.13 90.31 2,563.8 -21.7 4,034.4 4,034.5 0.00 0.00 0.00 6,400.0 89.13 90.31 2,565.3 -22.2 4,134.4 4,134.4 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,600.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,434.4 0.00 0.00 0.00 0.00 6,900.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 0.00 0.00 0.00 0.00	6,100.0	89.13	90.31	2,560.7	-20.6	3,834.4	3,834.5	0.00	0.00	0.00
6,400.0 89.13 90.31 2,565.3 -22.2 4,134.4 4,134.4 0.00 0.00 0.00 6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 0.00 6,600.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 0.00 TD @ 6908' MD / 2573' TVD	6,200.0	89.13	90.31	2,562.2	-21.1	3,934.4	3,934.5	0.00	0.00	0.00
6,500.0 89.13 90.31 2,566.8 -22.7 4,234.4 4,234.4 0.00 0.00 0.00 6,600.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 TD @ 6908' MD / 2573' TVD	6,300.0	89.13	90.31	2,563.8	-21.7	4,034.4	4,034.5	0.00	0.00	0.00
6,600.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 0.00 6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 0.00 TD @ 6908' MD / 2573' TVD	6,400.0	89.13	90.31	2,565.3		4,134.4	4,134.4	0.00	0.00	0.00
6,600.0 89.13 90.31 2,568.3 -23.3 4,334.4 4,334.4 0.00 0.00 0.00 0.00 6,700.0 89.13 90.31 2,569.8 -23.8 4,434.3 4,434.4 0.00 0.00 0.00 0.00 6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 0.00 6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 0.00 TD @ 6908' MD / 2573' TVD	6,500.0	89.13	90.31	2,566.8	-22.7	4,234.4	4,234.4	0.00	0.00	0.00
6,800.0 89.13 90.31 2,571.4 -24.3 4,534.3 4,534.4 0.00 0.00 0.00 6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 TD @ 6908' MD / 2573' TVD	6,600.0	89.13	90.31	2,568.3		4,334.4	4,334.4	0.00	0.00	0.00
6,900.0 89.13 90.31 2,572.9 -24.9 4,634.3 4,634.4 0.00 0.00 0.00 TD @ 6908' MD / 2573' TVD	6,700.0	89.13	90.31	2,569.8	-23.8	4,434.3	4,434.4	0.00	0.00	0.00
TD @ 6908' MD / 2573' TVD	6,800.0	89.13	90.31	2,571.4	-24.3	4,534.3	4,534.4	0.00	0.00	0.00
	6,900.0	89.13	90.31	2,572.9	-24.9	4,634.3	4,634.4	0.00	0.00	0.00
	TD @ 6908	" MD / 2573" TV	מי	•						•.
0,900.4 09.13 90.31 2,973.0 -24.9 4,042.7 4,042.0 0.00 0.00 0.00	6,908.4	89.13	90.31	2,573.0	-24.9	4,642.7	4,642.8	0.00	0.00	0.00

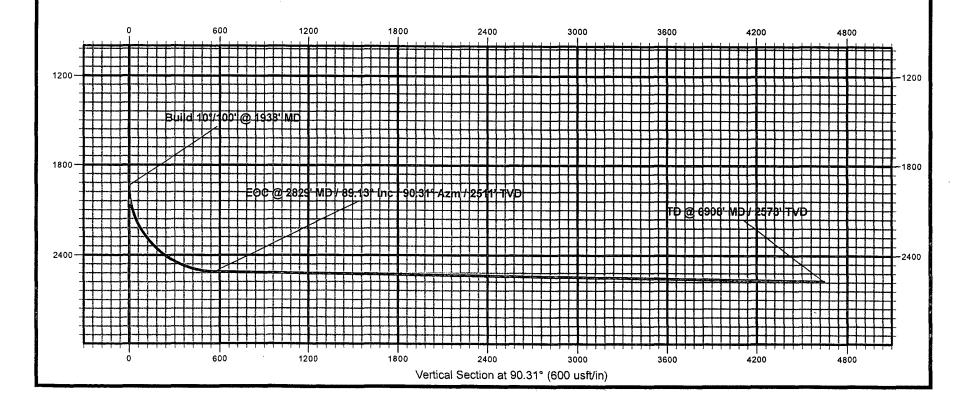
Design Targets Target Name - hit/miss target Dip:A - Shape (2)	ingle ')	Dip Dir. (°)	TVD: (usft)	Activities and the second	+E/-W (ůsft)	Northing (usft)	Easting (usft)	Latitude	Longitude,	
PBHL Fast Draw 4 EF - plan hits target center	0.00	360.00	2,573.0	-24.9	4,642.7	583,230.30	454,275.62	32° 36′ 11.942	N 104° 28' 54.531	ıW

Plan Annotations Measured Depth (usft)	Vertical Depth (usft)	Local Coord +N/.S (usft)		Comment	
1,938.1	1,938.1	0.0	0.0	Build 10°/100' @ 1938' MD	
2,829.4	2,511.0	-3.0	564.2	EOC @ 2829' MD / 89.13° Inc / 90.31° Azm / 2511' TVD	
6,908.4	2,573.0	-24.9	4,642.7	TD @ 6908' MD / 2573' TVD	

Mewbourne Oil Company

Eddy, New Mexico
Fast Draw 4 EH Federal Com #1H
Quote 100749

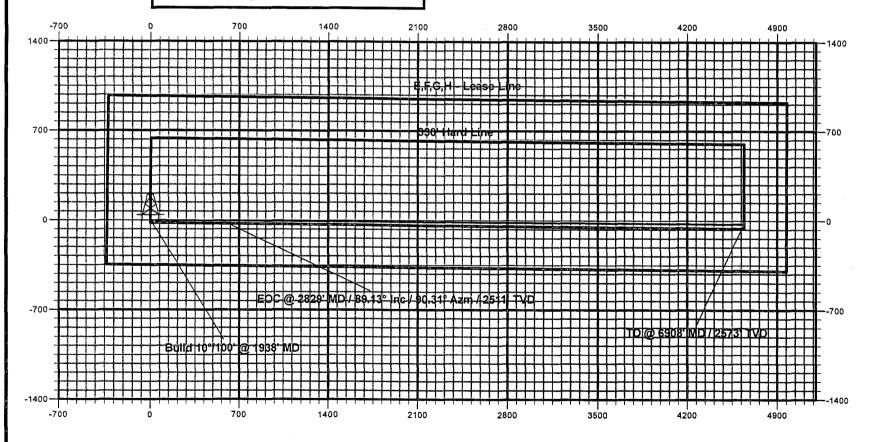


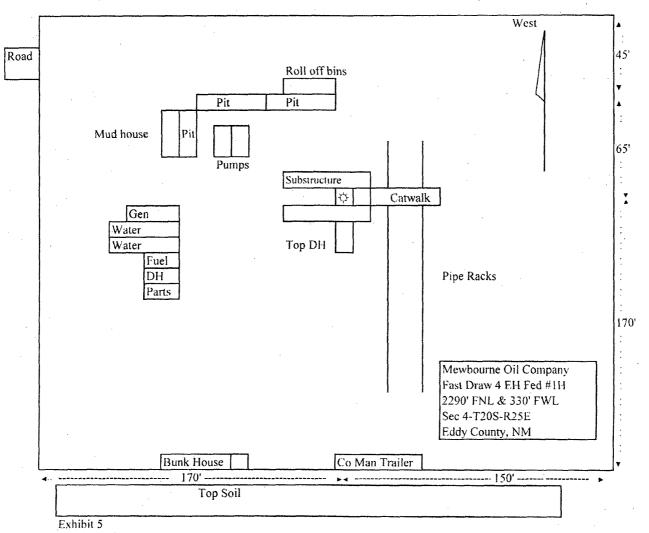


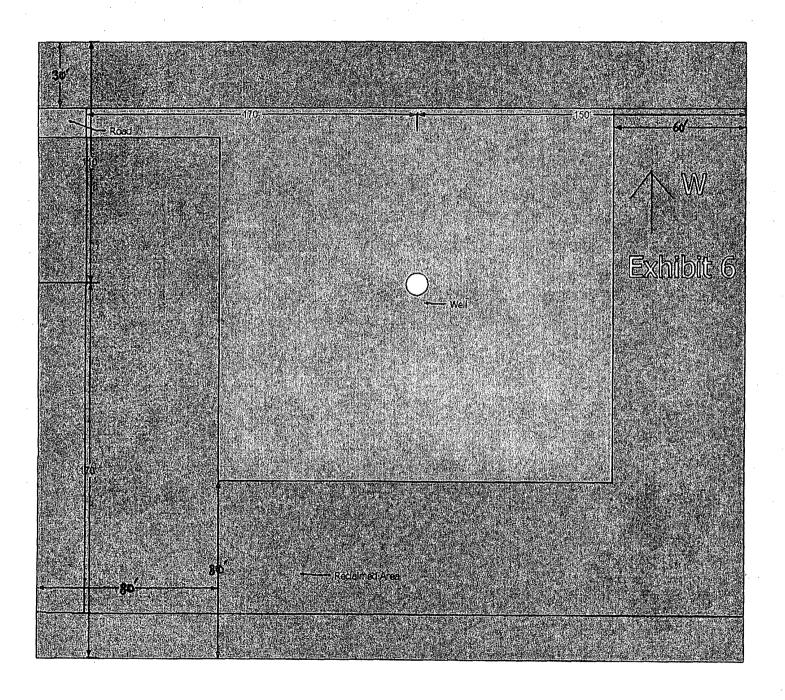
Mewbourne Oil Company

The DIRE NAL DRILLING COMPANY

Eddy, New Mexico Fast Draw 4 EH Federal Com #1H Quote 100749





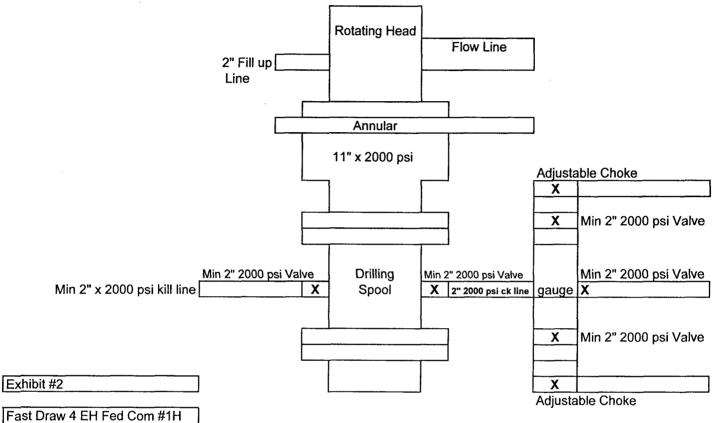


Notes Regarding Blowout Preventer Mewbourne Oil Company

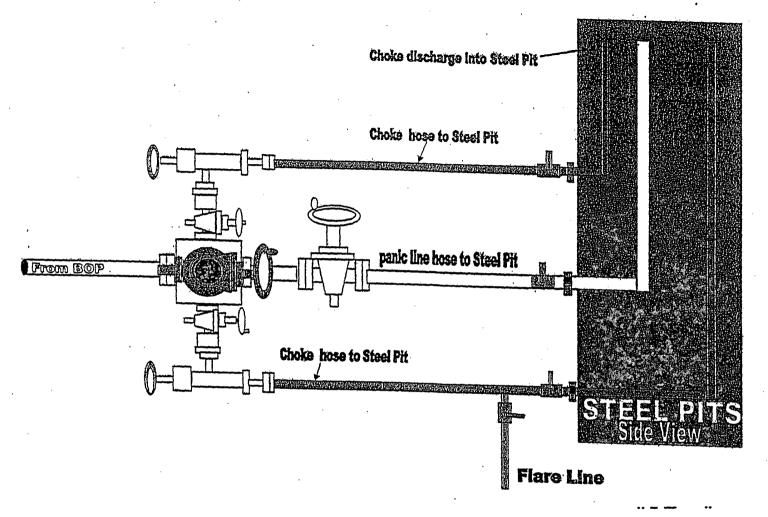
Fast Draw "4" EH Federal Com #1H 2290' FNL & 330' FWL (SHL) Sec 4-T20S-R25E Eddy County, New Mexico

- I. Drilling nipple (bell nipple) to be constructed so that it can be removed without the use of a welder through the opening of the rotary table, with minimum internal diameter equal to blowout preventer bore.
- II. Blowout preventer and all fittings must be in good condition with a minimum 2000 psi working pressure on 9 5/8" & 7" casing.
- III. Safety valve must be available on the rig floor at all times with proper connections to install in the drill string. Valve must be full bore with minimum 2000 psi working pressure.
- IV. Equipment through which bit must pass shall be at least as large as internal diameter of the casing.
- V. A kelly cock shall be installed on the kelly at all times.

Blowout preventer closing equipment to include and accumulator of at least 40 gallon capacity, two independent sources of pressure on closing unit, and meet all other API specifications.



Fast Draw 4 EH Fed Com #1H 2290' FNL & 330' FWL Sec 4-T20S-R25E Eddy, County New Mexico



2000#/3000#BOP manifold system

For Exhibit 2+2A

DISTRICT I --- CHECKLIST FOR INTENTS TO DRILL

Well Name & # FAST DEAW 4 EH FED COM # Surface Type (F) (S) (P) A. Date C10t rec'd C10t rec'd C10t reviewed S1. Check mark, Information is OK on Forms: OGRID S0NDING PPOP CODE WELL # SIGNATURE 2. Inactive Well list as of: 3 22 1 # wells 3 4 # Inactive wells a. District Grant APD but see number of inactive wells. No letter required Sent Letter to Operator to Santa Fe 3. Additional Bonding as of: 3 / 30 / # a. District Denial because Operator needs addition bonding: No Letter required Sent Letter to Operator To Santa Fe 5. District Denial because of inactive well list and Financial Assurence: No Letter required Sent Letter to Operator To Santa Fe 6. District Denial because of inactive well list and Financial Assurence: No Letter required Sent Letter to Operator To Santa Fe 7. Denial because of inactive well list and Financial Assurence: No Letter required Sent Letter to Operator To Santa Fe 7. Denial because of inactive well list and Financial Assurence: No Letter required Sent Letter to Operator To Santa Fe 8. Denial Sent Sent Letter to Operator To Santa Fe 8. Denial Sent Sent Letter to Operator To Santa Fe 9. Denial Sent Sent Letter to Operator To Santa Fe 9. Denial Sent Sent Sent Sent Letter To Operator To Santa Fe 9. Denial Sent Sent Sent Sent Sent Sent Sent Sent		Operator	MAU	BOURNE	OIL CO	OGRIE	# 14744
Location: UL F. Sect F. Twinship 25, RNG 25e, Sub-surface Type (F)(S) (P) A. Date C101 rec'd C101 reviewed C101 r	38667	Well Name	&# FA57	- DRAW 4	EH FED	COM#IH S	urface Type (F) (S) (P)
A. Date C101 reviewed	10111	Location: L	JL F, Sect 4	-, Twnship 20	s, RNG Z/S e,	Sub-s	urface Type (F) (S) (P)
B. 1. Check mark, Information is OK on Forms: OGRID BONDING PROP CODE WELL # SIGNATURE 2. Inactive Well list as of: 3/32/ # wells a. District Grant APD but see number of inactive wells: No letter required Sent Letter to Operator to Santa Fe 3. Additional Bonding as of: 3/32/ # a. District Denial because operator needs addition bonding: No Letter required Sent Letter to Operator To Santa Fe b. District Denial because of Inactive well list and Financial Assurance: No Letter required Sent Letter to Operator To Santa Fe c. C102 YES NO Signature 1. Pool Signature 1. Pool Signature 2. Non-Standard Location 2. Well shares acres: Yes Non-# of wells plus this well # 2. 2nd Operator in same acreaga, Yes Non-# of wells plus this well # 3. Intent to Directional Drill Yes No a. Dedicated acreage Non-# Non-Standard Bottomhole 4. Downhole Location Standard Non-Standard Bottomhole 4. Downhole Commingle: Yes No a. Pool #2 Pool #3 Pool #4 Sent Letter Non-Standard Sentomhole 5. POTASH Area Yes No Blowout Preventer Yes No E. H2S Yes No B. H2S Yes No F. C144 Pit Registration Yes No 3. Simultaneous Dedication: Yes No SD #							
B. 1. Check mark, Information is OK on Forms: OGRID BONDING PROP CODE 2. Inactive Well list as of: 3/32// # wells a. District Grant APD but see number of inactive wells: No letter required Sent Letter to Operator to Santa Fe 3. Additional Bonding as of: 3/32// a. District Denial because operator needs addition bonding: No Letter required Sent Letter to Operator To Santa Fe b. District Denial because of Inactive well list and Financial Assurence: No Letter required Sent Letter to Operator To Santa Fe c. C102 YES NO Signature 1. Pool Signature 1. Pool Signature 2. Mel Shares acres: Yes No Formal Standard Location c. Well shares acres: Yes No Formal Standard Location c. Well shares acres: Yes No Formal Standard Letter 3. Intent to Directional Drill Yes No a. Dedicated acreage No Non-Standard Bottomhole 4. Downhole Location Standard Non-Standard Bottomhole 4. Downhole Commingle: Yes No a. Pool #2 Pool #3 Pool #4 Denothable Location Standard Non-Standard Bottomhole 5. POTASH Area Yes No Blowout Preventer Yes No E. H2S Yes No B. Bottomhole Proration: Yes No S. No NSE # 2. Non-Standard Proration: Yes No No NSE # 3. Simultaneous Dedication: Yes No No NE # 3. Simultaneous Dedication: Yes No No Ne		Α.	Date C101 rec'd	/ /		C101 reviewed	
OGRID DING PROP CODE WELL# SIGNATURE 2. Inactive Well list as of: \$2 200 / # wells for #Inactive wells a. District Grant APD but see number of inactive wells: No letter required Sent Letter to Operator to Santa Fe 3. Additional Bonding as of: \$7 / 300 / # a. District Denial because operator needs addition bonding: No Letter required Sent Letter to Operator To Santa Fe b. District Denial because of Inactive well list and Financial Assurance: No Letter required Sent Letter to Operator To Santa Fe c. C102 YES NO Signature To Operator To Santa Fe 1. Pool Sent Letter to Operator To Santa Fe 2. Pool Sent Letter to Operator To Santa Fe 3. Dedicated acreage Sent What Units Dent Operator To Santa Fe 2. 2nd Operator in same acreage, Yes No Sent Sent Letter 3. Intent to Directional Drill Yes No Sent Letter 4. Downhole Location Standard Non-Standard Bottomhole 4. Downhole Commingle: Yes No Sent Letter 5. POTASH Area Yes No Sent Letter Operator To Sent Fe Pool #4 Code Acres Pool #4							
2. Inactive Well list as of: 3/20/ # wells 3/4/ Hinactive wells a. District Grant APD but see number of inactive wells: No letter required; Sent Letter to Operator, to Santa Fe 3. Additional Bonding as of: 3/30/ a. District Denial because operator needs addition bonding: No Letter required; Sent Letter to Operator, To Santa Fe b. District Denial because of Inactive well list and Financial Assurance: No Letter required; Sent Letter to Operator, To Santa Fe C. C102 YESNO, Signature /_ 1. Pool, Signature /_ 2. Pool, Signature /_ 3. Dedicated acreage, What Units, Ode, Ode, Ode, Ares, No, # of wells, plus this well # 2. 2nd Operator in same acreage, Yes, No, # of wells, plus this well # 2. 2nd Operator in same acreage, Yes, No, Agreement Letter, Disagreement letter, Disagreement letter, Disagreement letter, Disagreement letter, Disagreement letter, Disagreement letter, No, Ares, No, Rool #3, Code, Acres, Pool #4, Code, Acres, Pool #4, Code, Acres, Pool #3, Code, Acres, Pool #4, Registration Yes, No, NSE #, No, NSE #			OGRID > BON	IDING PEDPRO	P CODE	WELL# & SIGN	ATURE /
a. District Grant APD but see number of inactive wells: No letter required; Sent Letter to Operator, to Santa Fe a. District Denial because operator needs addition bonding: No Letter required; Sent Letter to Operator, To Santa Fe b. District Denial because of Inactive well list and Financial Assurance: No Letter required; Sent Letter to Operator, To Santa Fe b. District Denial because of Inactive well list and Financial Assurance: No Letter required; Sent Letter to Operator, To Santa Fe C. C102 YES NO, Signature 1. Pool, Signature, Sent Letter to Operator, To Santa Fe C. C102 YES, NO, # of well sent Units, Suppose, No, # of well sent Units, No, # of well sent Units, No, # of well sent Units, No, No							
No letter required; Sent Letter to Operator, to Santa Fe			a. District Gra	int APD but see ni	umber of inactiv	e wells:	
a. District Denial because operator needs addition bonding: No Letter required \(\); Sent Letter to Operator \(\), To Santa Fe \(\) b. District Denial because of Inactive well list and Financial Assurance: No Letter required \(\); Sent Letter to Operator \(\), To Santa Fe \(\) C. C102 YES \(\) NO \(\), Signature \(\) Sent Letter to Operator \(\), To Santa Fe \(\) C. C102 YES \(\) NO \(\), Signature \(\) Signature \(\) Code \(\) Quite \(\) SUR. Location Standard \(\), Wat Units \(\) Dust this well \(\) b. SUR. Location Standard \(\), Non-Standard Location \(\), Code \(\) Agreement Letter \(\), Disagreement letter \(\) 3. Intent to Directional Drill Yes \(\), No \(\) a. Dedicated acreage \(\) What Units \(\) Non-Standard Bottomhole \(\) b. Bottomhole Location Standard \(\), Non-Standard Bottomhole \(\) 4. Downhole Commingle: Yes \(\), No \(\) a. Pool \(\frac{\}{2} \) Code \(\), Acres \(\) Pool \(\frac{\}{4} \) Pool \(\frac{\}{4} \) Downhole Commingle: Yes \(\), No \(\) Blowout Preventer Yes \(\) No \(\) E. H2S Yes \(\) No \(\), No \(\) B. Does APD require Santa Fe Approval: \(\) 1. Non-Standard Location: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non-Standard Proration: Yes \(\), No \(\), NSL \(\frac{\}{2} \), Non							
a. District Denial because operator needs addition bonding: No Letter required X; Sent Letter to Operator, To Santa Fe b. District Denial because of Inactive well list and Financial Assurance: No Letter required; Sent Letter to Operator, To Santa Fe C. C102 YES X_NO, Signature Y 1. Pool, Signature Y 2. Dedicated acreage, What Units, Code, Code, a. Dedicated acreage, Non-Standard Location, c. Well shares acres: Yes, No, # of wells plus this well #, Code, Agreement Letter, Disagreement letter, No, # of wells, No, Mon-Standard Bottomhole, Non-Standard Bottomhole							
No Letter required \(\); Sent Letter to Operator \(\), To Santa Fe \(\) b. District Denial because of Inactive well list and Financial Assurance: No Letter required \(\); Sent Letter to Operator \(\), To Santa Fe \(\) C. C102 YES \(\), NO \(\), Signature \(\) Sunt Units \(\) Location Standard \(\), What Units \(\) BUR. Location Standard \(\), Non-Standard Location. \(\) c. Well shares acres: Yes \(\), No \(\), # of wells \(\) plus this well \(\) \(\) Agreement Letter \(\), Disagreement letter \(\), Disagreement letter \(\), Disagreement letter \(\), Downhole Commingle: Yes \(\), No \(\) a. Dedicated acreage \(\) What Units \(\) Bottomhole Commingle: Yes \(\), No \(\) a. Pool \(\) 2 \(\) Code \(\), Acres \(\) Pool \(\) 4 \(\), Code \(\), Acres \(\) Pool \(\) 4 \(\), Code \(\), Acres \(\) Pool \(\) 4 \(\), Code \(\), Acres \(\) Pool \(\) 4 \(\), Pool \(\) 4 \(\), No \(\). The sun and \(\) Code \(\), Acres \(\) Pool \(\) 4 \(\), Pool \(\) 4 \(\), No \(\), So \(\) 3 \(\), No \(\), So \(\) 3 \(\), Simultaneous Dedication: Yes \(\), No \(\), No \(\), No \(\), No \(\), So \(\) \(\)			a. District De	nial because oper	ator needs addi	tion bonding:	
b. District Denial because of Inactive well list and Financial Assurance: No Letter required							Fe
C. C102 YES NO Signature Signature Code 9166 a. Dedicated acreage Sum Non-Standard Location Code 9166 a. Dedicated acreage Non-Standard Location Standard Non-Standard Bottomhole Downhole Location Standard Non-Standard Bottomhole 4. Downhole Commingle: Yes Non-Standard Bottomhole Non-Standard Non-Sta							
C. C102 YES NO , Signature 1. Pool N. SURJUNGAS; GUM, Code 97565 a. Dedicated acreage 160, What Units b. SUR. Location Standard Non-Standard Location. c. Well shares acres: Yes , No , # of wells plus this well # 2. 2nd Operator in same acreage, Yes , No Agreement Letter , Disagreement letter 3. Intent to Directional Drill Yes No a. Dedicated acreage 160, What Units 160 Bottomhole Location Standard Non-Standard Bottomhole 4. Downhole Commingle: Yes , No a. Pool #2 , Code , Acres Pool #3 , Code , Acres Pool #4 , Code , A				· ·			
1. Pool							
1. Pool		C.	C102 YES X-N	ر Signature ر	_	. VELL	
b. SUR. Location Standard Non-Standard Location C. Well shares acres: Yes No plus this well # 2. 2 nd . Operator in same acreage, Yes plus this well # 3. Intent to Directional Drill Yes No a. Dedicated acreage No What Units b. Bottomhole Location Standard Non-Standard Bottomhole 4. Downhole Commingle: Yes No a. Pool #2 Code Acres Pool #3 Code Acres Pool #4 Code Acres Pool #4 Code Acres Pool #4 Code Acres No			1. Pool /	1. SEVER	ANEAS!	GLOR- Code	97565
b. SUR. Location Standard Non-Standard Location. c. Well shares acres: Yes, No, # of wells plus this well # 2. 2 nd . Operator in same acreage, Yes, No Agreement Letter, Disagreement letter 3. Intent to Directional Drill Yes, No a. Dedicated acreage			a. Dedicat	ed acreage 16	O. What Units	BROH	
c. Well shares acres: Yes, No, # of wells plus this well #			b. SUR. Loc	ation Standard	Non-Stan	dard Location	
2. 2 nd . Operator in same acreage, Yes, No, Agreement Letter, Disagreement letter, Disagreement letter, No, No, No, No, No, No							— /ell #
Agreement Letter, Disagreement letter							
3. Intent to Directional Drill Yes a. Dedicated acreage			Agreement	etter Disa	greement letter		
a. Dedicated acreage							
b. Bottomhole Location Standard Non-Standard Bottomhole 4. Downhole Commingle: Yes						S E PGIL	
4. Downhole Commingle: Yes, No							hole
a. Pool #2					-		11010
Pool #3							Acres
Pool #4			a. 1001π2_			,code	, Acres
5. POTASH Area Yes, No, D. Blowout Preventer Yes, No, E. H2S Yes, No, F. C144 Pit Registration Yes, No, No, G. Does APD require Santa Fe Approval: 1. Non-Standard Location: Yes, No, NSL # 2. Non-Standard Proration: Yes, No, NSP # 3. Simultaneous Dedication: Yes, No, SD #						, code	, Acres
D. Blowout Preventer Yes No No E. H2S Yes No						, code	, Mc(C)
E. H2S Yes, No, No							
G. Does APD require Santa Fe Approval: 1. Non-Standard Location: Yes, No, NSL # 2. Non-Standard Proration: Yes, No, NSP # 3. Simultaneous Dedication: Yes, No, SD #		D.	LIC Vac V	NO	A REA		
G. Does APD require Santa Fe Approval: 1. Non-Standard Location: Yes, No, NSL # 2. Non-Standard Proration: Yes, No, NSP # 3. Simultaneous Dedication: Yes, No, SD #		L.	C1/1/ Pit Registr	ation Yes		and a	
 Non-Standard Location: Yes, No, NSL # Non-Standard Proration: Yes, No, NSP # Simultaneous Dedication: Yes, No, SD # 						ber\	
 Non-Standard Proration: Yes, No, NSP # Simultaneous Dedication: Yes, No, SD # 		G.	•			NSI E	
3. Simultaneous Dedication: Yes, No 💯, SD #			2. Non-Standa	rd Proration: Ves	, No ->	, NSP #	
·							
Malubel of Men2 Lig2 #					•	, 30 #	
4. Injection order Yes, No _ 🔀 ; PMX # or WFX #						# 0x \\/EV :	i,
4. Injection order Yes, NO, PIOX # OF WFX # 5. SWD order Yes, NO; SWD #			4. INJECTION OF	ver 165, NO	, FIVIA	#OIVVFA:	T
6. DHC from SF; DHC-HOB; Holding			b. UHC from S	r		, notaing	
						The state of the s	11
7. OCD Approval Date/ API #30-0 /9 38636			7. OCD Appro	oval Date/_		API # <u>30-</u> 0	14. 38636