

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

IN THE MATTER OF THE HEARING CALLED
BY THE OIL CONSERVATION DIVISION FOR
THE PURPOSE OF CONSIDERING:

APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, LEA COUNTY,
NEW MEXICO.

Case No. 20809

VERIFIED STATEMENT OF MITCH ROBB

Mitch Robb, being duly sworn upon his oath, deposes and states:

1. I am a landman for Mewbourne Oil Company ("Mewbourne"), and have personal knowledge of the matters stated herein. I have been qualified by the Division as an expert petroleum landman.

2. Pursuant to NMAC 19.15.4.12.A(1), the following information is submitted in support of the compulsory pooling application filed herein:

(a) The purpose of this application is to force pool working interest owners into the Bone Spring horizontal spacing unit described below, and in wells to be drilled in the unit.

(b) No opposition is expected because the interest owners being pooled have been contacted regarding the proposed well, but have failed or refused to voluntarily commit their interests to the well. Some interest owners may be unlocatable.

(c) A plat outlining the unit being pooled is attached hereto as Attachment A. Mewbourne seeks an order pooling all mineral interests in the Bone Spring formation underlying the E/2E/2 of Section 10 and the E/2E/2 of Section 15, Township 23 South, Range 34 East, NMPM. The unit will be dedicated to:

- (i) the Ibex 10/15 B1AP Fed. Com. Well No. 2H, a horizontal well with a first take point in the NE/4 NE/4 of 10 and a final take point in the SE/4 SE/4 of Section 15;
- (ii) the Ibex 10/15 B3AP Fed. Com. Well No. 1H, a horizontal well with a first take point in the NE/4 NE/4 of 10 and a final take point in the SE/4 SE/4 of Section 15.

EXHIBIT

1

- (iii) the Ibex 15/10 B1PA Fed. Com. Well No. 2H, a horizontal well with a first take point in the SE/4 SE/4 of 15 and a final take point in the NE/4 NE/4 of Section 10.
 - (iv) the Ibex 15/10 B3PA Fed. Com. Well No. 1H, a horizontal well with a first take point in the SE/4 SE/4 of 15 and a final take point in the NE/4 NE/4 of Section 10.
- (d) The parties being pooled and their interests are set forth in Attachment B. Their current and correct addresses, or last known addresses, are also set forth.
- (e) In order to locate the interest owners Mewbourne examined the county records, performed internet searches, checked telephone records, made calls to family members, and searched Accurint and Whitepages.
- (f) The land affidavit submitted in Case 20580 contained a summary of contacts or attempted contacts with the interest owners, together with copies of the proposal letters sent to the interest owners.
- (g) Mewbourne has made a good faith effort to obtain the voluntary joinder of the working interest owners in the proposed wells, or to locate the owners.
- (h) Mewbourne has the right to pool the overriding royalty owners in the well unit.
- (i) Attachment C contains the Authorizations for Expenditure for the proposed Ibex 15/10 B1PA Fed. Com. Well No. 2H and the Ibex 15/10 B3PA Fed. Com. Well No. 1H. The estimated costs of the wells set forth therein are fair and reasonable, and comparable to the costs of other wells of similar depth and length drilled in this area of Eddy County.
- The AFEs for the Ibex 10/15 B1AP Fed. Com. No. 2H and Ibex 10/15 B3AP Fed. Com. No. 1H wells were previously submitted to the Division.
- (j) Mewbourne Oil Company is requesting to amend the surface hole location ("SHL") and bottom hole location ("BHL") of the Ibex 10/15 B1AP Fed. Com. No. 2H, and the Ibex 10/15 B3AP Fed. Com. No. 1H, wells being pooled. The proration unit of all wells and the ownership within each tract included in the proration unit of all wells remains unchanged from the original application. The change was made necessary due to drilling hazards in the shallow vertical portion of the wells when the SHL is located in Unit A of Section 10, Township 23S Range 34E. The SHL will now be located in Unit P of Section 15, Township 23S Range 34E and the resultant BHL will be located in Unit A of Section 10, Township 23S Range 34E.
- (k) Mewbourne requests overhead and administrative rates of \$8000/month for a drilling well and \$800/month for a producing well. These rates are fair, and comparable to the rates charged by other operators for wells of this type in this portion of Lea County. They are also the rates set forth in the Joint Operating Agreement for the well unit.

Mewbourne requests that these rates be adjusted periodically as provided in the COPAS Accounting Procedure.

(l) Mewbourne requests that the maximum cost plus 200% risk charge be assessed against non-consenting working interest owners.

(m) Mewbourne requests that it be designated operator of the wells.

(n) The attachments to this affidavit were prepared by me, or compiled from Company business records.

(o) The granting of this application is in the interests of conservation and the prevention of waste.

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

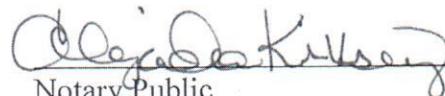
Mitch Robb, being duly sworn upon his oath, deposes and states that: He is a landman for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.



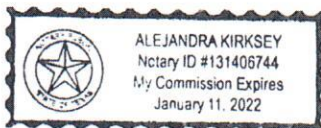
Mitch Robb

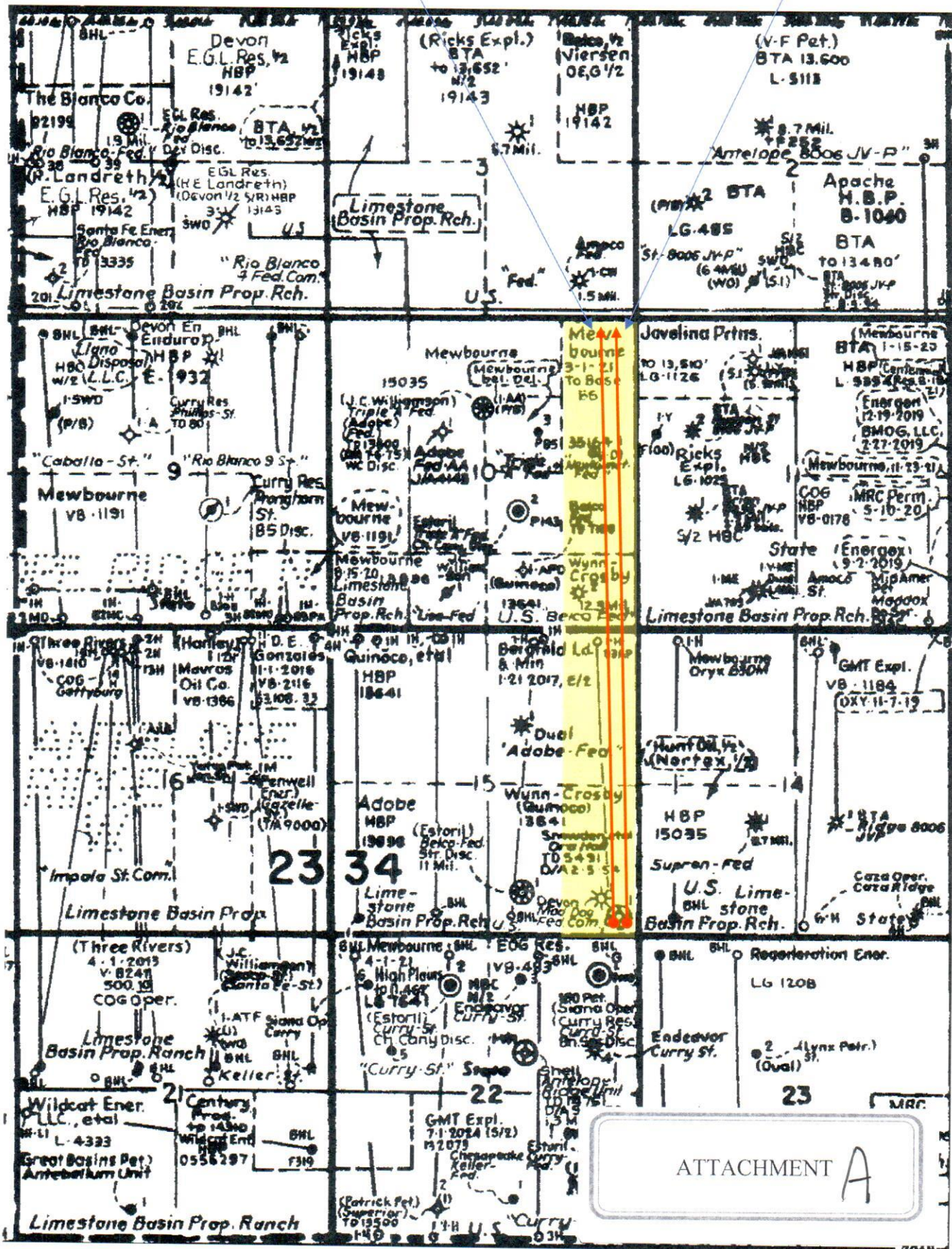
SUBSCRIBED AND SWORN TO before me this 2nd day of October, 2019 by
Mitch Robb.

My Commission Expires: January 11, 2022



Notary Public





District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name			
4 Property Code		5 Property Name IBEX 15/10 B3PA FED COM				6 Well Number 1H	
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY				9 Elevation 3413'	

10 Surface Location

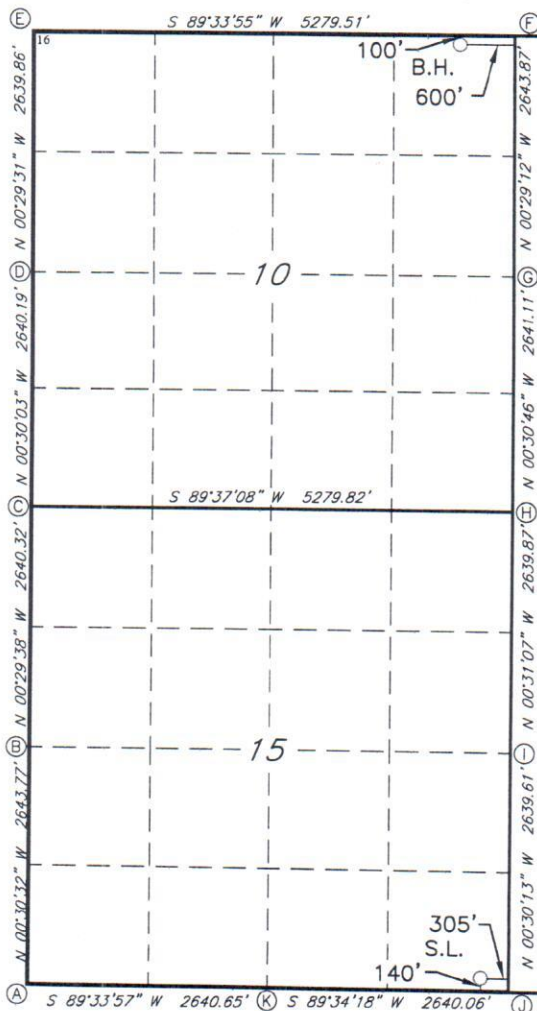
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet From the	East/West line	County
P	15	23S	34E		140	SOUTH	305	EAST	LEA

11 Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
A	10	23S	34E		100	NORTH	600	EAST	LEA

12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
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No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N 473175.2 - E 814157.1

LAT: 32.2977443° N
LONG: 103.4503861° W

BOTTOM HOLE
N 483495.2 - E 813771.1

LAT: 32.3261181° N
LONG: 103.4513604° W

CORNER DATA
NAD 83 GRID - NM EAST

A: FOUND BRASS CAP "1913"
N 472997.8 - E 809183.6

B: FOUND BRASS CAP "1913"
N 475641.0 - E 809160.1

C: FOUND BRASS CAP "1913"
N 478280.8 - E 809137.4

D: FOUND BRASS CAP "1913"
N 480920.4 - E 809114.3

E: FOUND PK NAIL
N 483559.7 - E 809091.7

F: FOUND PK NAIL
N 483599.8 - E 814370.1

G: FOUND BRASS CAP "1913"
N 480956.4 - E 814392.6

H: FOUND BRASS CAP "1913"
N 478315.9 - E 814416.2

I: FOUND BRASS CAP "1913"
N 475676.6 - E 814440.1

J: FOUND BRASS CAP "1913"
N 473037.5 - E 814463.3

K: FOUND BRASS CAP "1913"
N 473017.8 - E 811823.8

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION

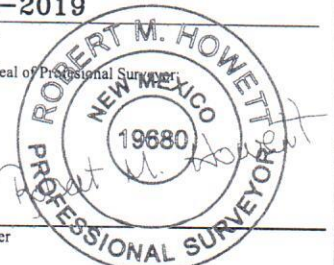
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

08-05-2019

Date of Survey

Signature and Seal of Professional Surveyor

19680
Certificate Number



RRC - Job No.: LS19080819

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
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Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number		2 Pool Code		3 Pool Name	
4 Property Code		5 Property Name IBEX 15/10 B1PA FED COM			6 Well Number 2H
7 OGRID NO.		8 Operator Name MEWBOURNE OIL COMPANY			9 Elevation 3412'

10 Surface Location

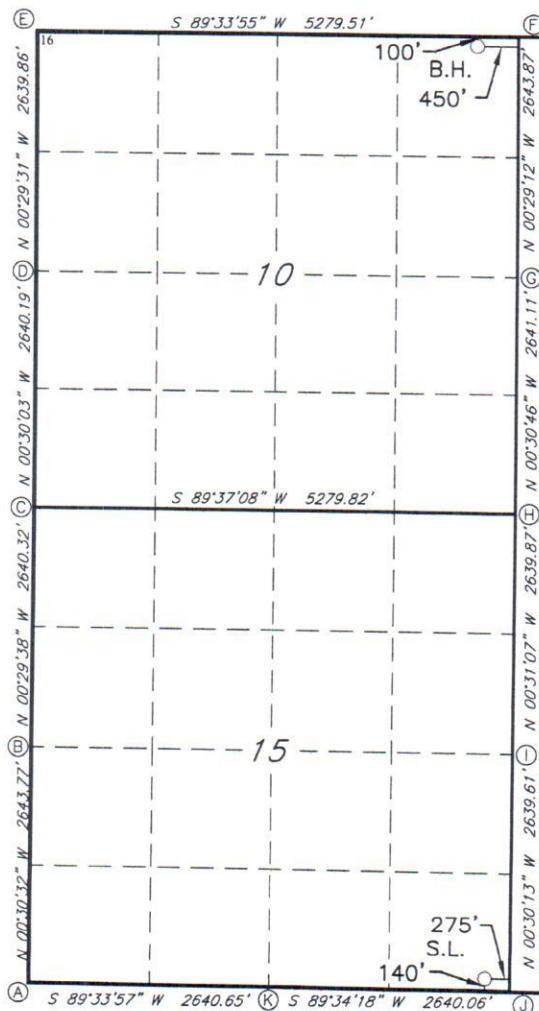
UL or lot no. P	Section 15	Township 23S	Range 34E	Lot Idn	Feet from the 140	North/South line SOUTH	Feet From the 275	East/West line EAST	County LEA
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11 Bottom Hole Location If Different From Surface

UL or lot no. A	Section 10	Township 23S	Range 34E	Lot Idn	Feet from the 100	North/South line NORTH	Feet from the 450	East/West line EAST	County LEA
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12 Dedicated Acres	13 Joint or Infill	14 Consolidation Code	15 Order No.
--------------------	--------------------	-----------------------	--------------

No allowable will be assigned to this completion until all interest have been consolidated or a non-standard unit has been approved by the division.



GEODETIC DATA
NAD 83 GRID - NM EAST

SURFACE LOCATION
N 473175.4 - E 814187.1

LAT: 32.2977442° N
LONG: 103.4502889° W

BOTTOM HOLE
N 483496.4 - E 813921.1

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C: FOUND BRASS CAP "1913"
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D: FOUND BRASS CAP "1913"
N 480920.4 - E 809114.3

E: FOUND PK NAIL
N 483559.7 - E 809091.7

F: FOUND PK NAIL
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Signature _____ Date _____

Printed Name _____

E-mail Address _____

18 SURVEYOR CERTIFICATION

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

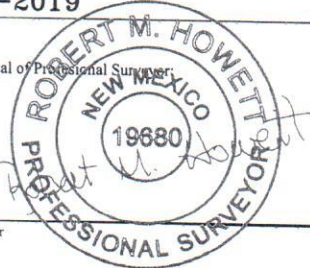
08-05-2019

Date of Survey _____

Signature and Seal of Professional Surveyor _____

19680

Certificate Number _____



RRC - Job No.: LS19080818

Tract Ownership
E/2E/2 of Section 10 & E/2E/2 of Section 15, T23S, R34E
Lea County, New Mexico

E/2E/2 of Section 10 &
E/2E/2 of Section 15, T23S, R34E:

Ownership:

Mewbourne Oil Company, Operator, and Challenger Crude, Ltd., et al, as Non-Operators	90.591689%
*Endeavor Energy Resources, L.P.	0.734950%
*Maverick Oil & Gas Corporation	0.615736%
*Phoebe Thompkins	0.020307%
*Tom M. Ragsdale	4.890142%
*Energy Investors 1987, L.P.	1.232000%
*Landis Drilling Co.	0.533334%
*Douglas A. Tatum, P.C.	0.667202%
*Charles C. Albright III, Trustee	0.042088%
*Pride Energy Company	0.351563%
*PW Production, Inc.	0.139101%
*Noel and Elizabeth Workman	0.102713%
*Black & Gold Resources	0.079175%
*Siana Oil & Gas Company, LLC	0.000000%
*LRF Limited Partnership	0.000000%
*Estate of Larry Moore	0.000000%
*Estoril Producing Corporation	0.000000%
*Estate of Max Curry	0.000000%
*Devon Energy Production Company, L.P.	0.000000%
*Chessie Exploration, Inc.	0.000000%
*Black & Gold Resources, LLC	0.000000%
*ACF Petroleum Company	0.000000%

Total Interest being force pooled: 9.408311%

* Denotes an interest that is being force pooled.

ATTACHMENT **B**

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: IBEX 15/10 B3PA FED COM #1H		Prospect: IBEX 15 / 10	
Location: SL: 140 FSL & 305 FEL (15); BHL: 100 FNL & 600 FEL (10)		County: Lea	ST: NM
Sec. 15	Blk: 	Survey: 	TWP: 23S RNG: 34E Prop. TVD: 11304 TMD: 21523

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$85,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling 32 days drlg / 4 days comp @ \$21500/d		0180-0110	\$734,800	0180-0210	\$91,800
Fuel 1700 gal/day @ \$2.74/gal		0180-0114	\$159,200	0180-0214	\$420,000
Mud, Chemical & Additives		0180-0120	\$200,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$250,000
Cementing		0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$390,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging		0180-0137	\$30,000		
Stimulation 51 Stg 20.0 MM gal / 20.0 MM lb				0180-0241	\$2,200,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$60,000	0180-0245	\$900,000
Bits		0180-0148	\$125,000	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
Misc. Air & Pumping Services		0180-0154		0180-0254	\$10,000
Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$52,500	0180-0270	\$60,000
Directional Services Includes Vertical Control		0180-0175	\$375,000		
Equipment Rental		0180-0180	\$270,700	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,600	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$10,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$4,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$168,000	0180-0295	\$105,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies 2% (TCP) 2% (CC)		0180-0199	\$57,600	0180-0299	\$99,100
TOTAL			\$2,938,900		\$5,054,000

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0") 1350' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/ft		0181-0794	\$55,500		
Casing (8.1" - 10.0") 4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft		0181-0795	\$131,300		
Casing (6.1" - 8.0") 11550' - 7" 29# HCP-110 LT&C @ \$23.84/ft		0181-0796	\$294,100		
Casing (4.1" - 6.0") 10730' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft				0181-0797	\$139,300
Tubing 10800' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft				0181-0798	\$66,200
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools Completion Liner Hanger				0181-0871	\$70,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	
Artificial Lift Systems Gas Lift Valves & pkr				0181-0884	\$25,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers (1/2) VRU/SWD pump/circ pump				0181-0886	\$25,000
Tanks - Oil (1/2) 6 - 750 bbl				0181-0890	\$57,000
Tanks - Water (1/2) 5 - 750 bbl coated				0181-0891	\$57,500
Separation / Treating Equipment 30"x10"x1k# 3 ph/36"x15"x1k#				0181-0895	\$67,500
Heater Treaters, Line Heaters 8'x20'x75# HT				0181-0897	\$27,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering (1/2) 1.30 Mile 4" Wtr				0181-0900	\$19,000
Fittings / Valves & Accessories				0181-0906	\$100,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation Automation, Battery power, power line, location includ				0181-0909	\$250,000
Equipment Installation				0181-0910	\$50,000
Pipeline Construction (1/2) 1.30 Mile 4" Wtr				0181-0920	\$10,000
TOTAL			\$520,900		\$1,015,500
SUBTOTAL			\$3,459,800		\$6,069,500
TOTAL WELL COST		\$9,529,300			

Extra Expense Insurance

☐ I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.

☐ I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Prepared by: Jacob Maxey	Date: 9/10/2019
Company Approval: <i>m. whitte</i>	Date: 9/12/2019
Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

MEWBOURNE OIL COMPANY

AUTHORIZATION FOR EXPENDITURE

Well Name: IBEX 15/10 B1PA FED COM #2H		Prospect: IBEX 15 / 10	
Location: SL: 140 FSL & 275 FEL (15); BHL: 100 FNL & 450 FEL (10)		County: Lea	ST: NM
Sec. 15	Blk: 	Survey: 	TWP: 23S RNG: 34E Prop. TVD: 9684 TMD: 19900

INTANGIBLE COSTS 0180		CODE	TCP	CODE	CC
Regulatory Permits & Surveys		0180-0100	\$20,000	0180-0200	
Location / Road / Site / Preparation		0180-0105	\$85,000	0180-0205	\$25,000
Location / Restoration		0180-0106	\$200,000	0180-0206	\$30,000
Daywork / Turnkey / Footage Drilling	30 days drlg / 4 days comp @ \$21500/d	0180-0110	\$688,900	0180-0210	\$91,800
Fuel	1700 gal/day @ \$2.74/gal	0180-0114	\$149,200	0180-0214	\$420,000
Mud, Chemical & Additives		0180-0120	\$225,000	0180-0220	
Horizontal Drillout Services				0180-0222	\$250,000
Cementing		0180-0125	\$100,000	0180-0225	\$30,000
Logging & Wireline Services		0180-0130	\$2,500	0180-0230	\$390,000
Casing / Tubing / Snubbing Service		0180-0134	\$20,000	0180-0234	\$90,000
Mud Logging		0180-0137	\$30,000		
Stimulation	51 Stg 20.0 MM gal / 20.0 MM lb			0180-0241	\$2,200,000
Stimulation Rentals & Other				0180-0242	\$200,000
Water & Other		0180-0145	\$60,000	0180-0245	\$900,000
Bits		0180-0148	\$125,000	0180-0248	\$8,000
Inspection & Repair Services		0180-0150	\$40,000	0180-0250	\$5,000
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Testing & Flowback Services		0180-0158	\$15,000	0180-0258	\$30,000
Completion / Workover Rig				0180-0260	\$10,500
Rig Mobilization		0180-0164	\$150,000		
Transportation		0180-0165	\$30,000	0180-0265	\$20,000
Welding Services		0180-0168	\$5,000	0180-0268	\$15,000
Contract Services & Supervision		0180-0170	\$49,500	0180-0270	\$60,000
Directional Services	Includes Vertical Control	0180-0175	\$350,000		
Equipment Rental		0180-0180	\$256,900	0180-0280	\$30,000
Well / Lease Legal		0180-0184	\$5,000	0180-0284	
Well / Lease Insurance		0180-0185	\$5,200	0180-0285	
Intangible Supplies		0180-0188	\$8,000	0180-0288	\$10,000
Damages		0180-0190	\$5,000	0180-0290	
ROW & Easements		0180-0192		0180-0292	\$4,000
Pipeline Interconnect				0180-0293	
Company Supervision		0180-0195	\$158,400	0180-0295	\$105,600
Overhead Fixed Rate		0180-0196	\$10,000	0180-0296	\$20,000
Well Abandonment		0180-0198		0180-0298	
Contingencies	2% (TCP) 2% (CC)	0180-0199	\$55,900	0180-0299	\$99,100
TOTAL			\$2,849,500		\$5,054,000

TANGIBLE COSTS 0181		CODE	TCP	CODE	CC
Casing (19.1" - 30")		0181-0793			
Casing (10.1" - 19.0")	1350' - 13 3/8" 54.5# J-55 ST&C @ \$38.48/ft	0181-0794	\$55,500		
Casing (8.1" - 10.0")	4985' - 9 5/8" 36# J-55 LT&C @ \$24.67/ft	0181-0795	\$131,300		
Casing (6.1" - 8.0")	9950' - 7" 29# HCP-110 LT&C @ \$23.84/ft	0181-0796	\$253,300		
Casing (4.1" - 6.0")	10700' - 4 1/2" 13.5# P-110 BPN @ \$12.16/ft			0181-0797	\$139,000
Tubing	9200' - 2 7/8" 6.5# L-80 Tbg @ \$5.74/ft			0181-0798	\$56,400
Drilling Head		0181-0860	\$40,000		
Tubing Head & Upper Section				0181-0870	\$30,000
Horizontal Completion Tools	Completion Liner Hanger			0181-0871	\$70,000
Sucker Rods				0181-0875	
Subsurface Equipment				0181-0880	
Artificial Lift Systems	Gas Lift Valves & pkr			0181-0884	\$25,000
Pumping Unit				0181-0885	
Surface Pumps & Prime Movers	(1/2) VRU/SWD pump/circ pump			0181-0886	\$25,000
Tanks - Oil	(1/2) 6 - 750 bbl			0181-0890	\$57,000
Tanks - Water	(1/2) 5 - 750 bbl coated			0181-0891	\$57,500
Separation / Treating Equipment	30"x10"x1k#3 ph/36"x15"x1k#Gun bbl/VRT			0181-0895	\$67,500
Heater Treaters, Line Heaters	8"x20"x75# HT			0181-0897	\$27,000
Metering Equipment				0181-0898	\$14,000
Line Pipe & Valves - Gathering	(1/2) 1.30 Mile 4" Wtr			0181-0900	\$19,000
Fittings / Valves & Accessories				0181-0906	\$100,000
Cathodic Protection				0181-0908	\$8,000
Electrical Installation	Automation, Battery power, power line, location includ			0181-0909	\$250,000
Equipment Installation				0181-0910	\$50,000
Pipeline Construction	(1/2) 1.30 Mile 4" Wtr			0181-0920	\$10,000
TOTAL			\$480,100		\$1,005,400
SUBTOTAL			\$3,329,600		\$6,059,400

TOTAL WELL COST		\$9,389,000
------------------------	--	--------------------

Extra Expense Insurance

☐ I elect to be covered by Operator's Extra Expense Insurance and pay my proportionate share of the premium.
Operator has secured Extra Expense Insurance covering costs of well control, clean up and redrilling as estimated in Line Item 0180-0185.

☐ I elect to purchase my own well control insurance policy.

If neither box is checked above, non-operating working interest owner elects to be covered by Operator's well control insurance.

Prepared by: <u>Jacob Maxey</u>	Date: <u>9/10/2019</u>
Company Approval: <u><i>M. Whittier</i></u>	Date: <u>9/12/2019</u>

Joint Owner Interest: _____ Amount: _____	Signature: _____
Joint Owner Name: _____	

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATIONS OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING, LEA COUNTY,
NEW MEXICO.

Case No. 20809

SELF-AFFIRMED STATEMENT OF NOTICE

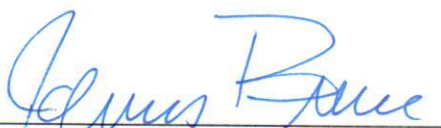
COUNTY OF SANTA FE)
) ss.
STATE OF NEW MEXICO)

James Bruce deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am an attorney for Mewbourne Oil Company.
3. Mewbourne Oil Company has conducted a good faith, diligent effort to find the names and correct addresses of the interest owners entitled to receive notice of the application filed herein.
4. Notice of the application was provided to the interest owners, at their last known addresses, by certified mail. Copies of the notice letter and certified return receipts are attached hereto as Attachment A.
5. Applicant has complied with the notice provisions of Division Rules.
6. I understand that this Self-Affirmed Statement will be used as written testimony in this case. I affirm that my testimony in paragraphs 1 through 5 above is true and correct and is made under penalty of perjury under the laws of the State of New Mexico. My testimony is made as of the date handwritten next to my signature below.

Date:

10/3/19


James Bruce

EXHIBIT

2

JAMES BRUCE
ATTORNEY AT LAW

POST OFFICE BOX 1056
SANTA FE, NEW MEXICO 87504

369 MONTEZUMA, NO. 213
SANTA FE, NEW MEXICO 87501

(505) 982-2043 (Phone)
(505) 660-6612 (Cell)
(505) 982-2151 (Fax)

jamesbruce@aol.com

September 12, 2019

CERTIFIED MAIL

To: Persons on Exhibit A

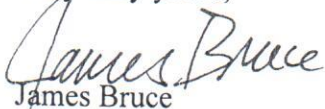
Ladies and gentlemen:

Enclosed is a copy of an application for compulsory pooling (Case No. 20809), filed with the New Mexico Oil Conservation Division by Mewbourne Oil Company, regarding two Bone Spring wells in the E/2E/2 of Section 10 and the E/2E/2 of Section 15, Township 23 South, Range 34 East, N.M.P.M., Lea County, New Mexico.

This matter is set for hearing at 8:15 a.m. on Thursday, October 3, 2019, in Porter Hall at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. You are not required to attend this hearing, but as an owner of an interest that may be affected by this application, you may appear and present testimony. Failure to appear at that time and become a party of record will preclude you from contesting the matter at a later date. (Please note that the persons listed as Record Title Owners do not own a cost-bearing interest, and are being noticed for communitization agreement purposes only.)

A party appearing in a Division case is required by Division Rules to file a Pre-Hearing Statement no later than Thursday, September 26, 2019. This statement must be filed with the Division's Santa Fe office at the above address, and should include: The names of the party and its attorney; a concise statement of the case; the names of the witnesses the party will call to testify at the hearing; the approximate time the party will need to present its case; and identification of any procedural matters that need to be resolved prior to the hearing. The Pre-Hearing Statement must also be provided to the undersigned.

Very truly yours,


James Bruce

Attorney for Mewbourne Oil Company

ATTACHMENT

A

Exhibit A

Working Interest Owners:

Black & Gold Resources, LLC
25025 IH 45 N, Suite 420
Spring, TX 77380
Attn: David V. De Marco

Noel and Elizabeth Workman
488 Alexian Way, Apt. 108
Signal Mountain, TN 37377

PW Production, Inc.
15 E 5th Street, Suite 1000
Tulsa, OK 74103
Attn: Land Department

Pride Energy Company
P.O. Box 701950
Tulsa, OK 74170

Charles C. Albright, III, Trustee
729 W. 16th Street, Suite B8
Costa Mesa, CA 92627

Douglas A. Tatum, P.C.
17480 Dallas Parkway
Dallas, TX 75287

Landis Drilling Co.
P.O. Box 994
Midland, Texas 79701

Energy Investors 1987, L.P.
633 17th Street, Suite 2390-N
Denver, CO 80202

Tom M. Ragsdale
Suite 601
400 N. Sam Houston Pkwy East
Houston, TX 77060
Attn: Karen Stanford

Phoebe Tompkins
c/o Andy Tompkins
955 Dutch Road
Fairview PA 16415

Maverick Oil & Gas Corporation
1001 West Wall Street
Midland, TX 79701

Endeavor Energy Resources, L.P.
Suite 200
110 North Marienfeld Street
Midland, TX 79701

Record Title Owners:

Siana Oil & Gas Company, LLC
Suite 601
400 N. Sam Houston Parkway East
Houston, Texas 77060
Attn: Karen Stanford

LRF Limited Partnership
1300 America 1st Tower
Oklahoma City, OK 73102

Joan M. Moore, Independent Executrix
of the Estate of Larry Moore
3602 Cedar Elm Lane
Wichita Falls, TX 76308

Estoril Producing Corporation
400 W. Texas Avenue
Midland, TX 79701

Chessie Exploration, Inc.
P.O. Box 2960
Midland, TX 79702

ACF Petroleum Company
1370 Avenue of the Americas
New York, NY 10019

15-10

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

PW Production, Inc.
15 E 5th Street, Suite 1000
Tulsa, OK 74103



9590 9402 4582 8278 5839 16

2. Article Number (Transfer from reverse)
7018 2290 0000 3426 1944

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

1 15-10

☐ Insured Mail Restricted Delivery (over \$500)

- 3. Service Type**
- ☐ Priority Mail Express®
 - ☐ Registered Mail™
 - ☐ Registered Mail Restricted Delivery
 - ☐ Certified Mail®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Return Receipt for Merchandise
 - ☐ Signature Confirmation™
 - ☐ Signature Confirmation Restricted Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

B. Received by (Printed Name)

C. Date of Delivery

☐ Agent ☐ Addressee

COMPLETE THIS SECTION ON DELIVERY

A. Signature

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OFFICIAL USE

Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To
Maverick Oil & Gas Corporation
1001 West Wall Street
Midland, TX 79701

Street and Apt. No.,
City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

Postmark
Here

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Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To
PW Production, Inc.
15 E 5th Street, Suite 1000
Tulsa, OK 74103
City, State, ZIP+4®

Postmark
Here

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Maverick Oil & Gas Corporation
1001 West Wall Street
Midland, TX 79701



9590 9402 4582 8278 5839 92

2. Article

7018 0360 0000 2188 0435

(over \$500)

COMPLETE THIS SECTION ON DELIVERY

A. Signature

☒ Agent ☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

- 3. Service Type**
- ☐ Priority Mail Express®
 - ☐ Registered Mail™
 - ☐ Registered Mail Restricted Delivery
 - ☐ Certified Mail®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Return Receipt for Merchandise
 - ☐ Signature Confirmation™
 - ☐ Signature Confirmation Restricted Delivery

Domestic Return Receipt

PS Form 3811, July 2015 PSN 7530-02-000-9053

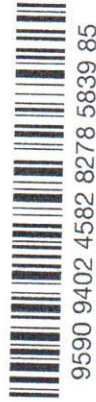
1-15-10

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

Article Addressed to:

Phoebe Tompkins
c/o Andy Tompkins
955 Dutch Road
Fairview PA 16415



9590 9402 4582 8278 5839 85

2. Article Number (Transfer from previous label)

7018 2290 0000 3426 1876

(over \$500)

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

1 15-10

COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Candace Tompkins C. Date of Delivery 9/17/19
- D. Is delivery address different from item 1? ☐ Yes ☒ No
If YES, enter delivery address below:

3. Service Type
- ☐ Priority Mail Express®
 - ☐ Registered Mail™
 - ☐ Registered Mail Restricted Delivery
 - ☐ Certified Mail®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Collect on Delivery
 - ☐ Return Receipt for Merchandise
 - ☐ Signature Confirmation™
 - ☐ Signature Confirmation Restricted Delivery

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Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To Phoebe Tompkins
c/o Andy Tompkins
955 Dutch Road
Fairview PA 16415

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

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Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To Siana Oil & Gas Company, LLC
Suite 601
400 N. Sam Houston Parkway East
Houston, Texas 77060

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Siana Oil & Gas Company, LLC
Suite 601
400 N. Sam Houston Parkway East
Houston, Texas 77060



9590 9402 4582 8278 5840 12

2. Article Number

7018 0360 0000 2188 0411

(over \$500)

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

1 15-10

COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Elizabeth Lopez C. Date of Delivery 9/17/19
- D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type
- ☐ Priority Mail Express®
 - ☐ Registered Mail™
 - ☐ Registered Mail Restricted Delivery
 - ☐ Certified Mail®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Collect on Delivery
 - ☐ Return Receipt for Merchandise
 - ☐ Signature Confirmation™
 - ☐ Signature Confirmation Restricted Delivery

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Endeavor Energy Resources, L.P.
Suite 200
110 North Marienfeld Street
Midland, TX 79701



9590 9402 4582 8278 5840 05

2. 7018 0360 0000 2188 0428

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
B. Received by (Printed Name) Elizabeth Workman C. Date of Delivery 9-17-19
D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type
☐ Priority Mail Express®
☐ Registered Mail™
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Return Receipt for Merchandise
☐ Collect on Delivery
☐ Signature Confirmation™
☐ Restricted Delivery

Postage Here

1 15 70

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Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postmark Here

Total Postage and Fees

Endeavor Energy Resources, L.P.
Suite 200
110 North Marienfeld Street
Midland, TX 79701

City, State, ZIP+4®

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☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Total Postage and Fees

Sent To Noel and Elizabeth Workman
488 Alexian Way, Apt. 108
Signal Mountain, TN 37377

PS Form 3800, April 2015 PSN 7530-02-000-9047

See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
■ Print your name and address on the reverse so that we can return the card to you.
■ Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Noel and Elizabeth Workman
488 Alexian Way, Apt. 108
Signal Mountain, TN 37377



9590 9402 4582 8278 5999 24

2.

7018 2290 0000 3426 1951

COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
B. Received by (Printed Name) Brenda Carter C. Date of Delivery 9-17-19
D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type
☐ Priority Mail Express®
☐ Registered Mail™
☐ Adult Signature Restricted Delivery
☒ Certified Mail®
☐ Return Receipt for Merchandise
☐ Collect on Delivery
☐ Signature Confirmation™
☐ Restricted Delivery

PS Form 3811, July 2015 PSN 7530-02-000-9053

Domestic Return Receipt

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Tom M. Ragsdale
Suite 601
400 N. Sam Houston Pkwy East
Houston, TX 77060



9590 9402 4582 8278 5839 78

2. Article

7018 2290 0000 3426 1883

PS Form 3811, July 2015 PSN 7530-02-000-9053

COMPLETE THIS SECTION ON DELIVERY

- A. Signature ☒ Agent ☐ Addressee
- B. Received by (Printed Name) Tom M. Ragsdale Date of Delivery 9/17/19
- D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

3. Service Type
- ☐ Adult Signature
 - ☐ Adult Signature Restricted Delivery
 - ☒ Certified Mail®
 - ☐ Certified Mail Restricted Delivery
 - ☐ Collect on Delivery
 - ☐ Restricted Delivery
 - ☐ Registered Mail™
 - ☐ Registered Mail Restricted Delivery
 - ☐ Return Receipt for Merchandise
 - ☐ Signature Confirmation™
 - ☐ Signature Confirmation Restricted Delivery
 - ☐ Priority Mail Express®

Domestic Return Receipt

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Certified Mail Fee

Extra Services & Fees (check box, add fee as appropriate)

- ☐ Return Receipt (hardcopy) \$
- ☐ Return Receipt (electronic) \$
- ☐ Certified Mail Restricted Delivery \$
- ☐ Adult Signature Required \$
- ☐ Adult Signature Restricted Delivery \$

Postmark
Here

Postage

Total Postage and Fee

Tom M. Ragsdale
Suite 601

400 N. Sam Houston Pkwy East
Houston, TX 77060

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL®



7018 2290 0000 3426 1890

NAME

1st Notice

2nd Notice

Return

9-27

Energy Investors 1987, L.P.
633 17th Street, Suite 2390-N
Denver, CO 80202

\$6.95⁰
US POSTAGE
FIRST-CLASS

071V00607931
87501
000116869



UTP

87504>1056

James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL®



7018 2290 0000 3427 5637

NAME

1st Notice

2nd Notice

Joan M. Moore, Independent Executrix
of the Estate of Larry Moore
3602 Cedar Elm Lane
Wichita Falls, TX 76308

\$6.95⁰
US POSTAGE
FIRST-CLASS

071V00607931
87501
000116859

9-27-03
D/10

76308>150202
87504>1056



7018 2290 0000 3426 1890

U.S. Postal Service™
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OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy) \$	
☐ Return Receipt (electronic) \$	
☐ Certified Mail Restricted Delivery \$	
☐ Adult Signature Required \$	
☐ Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To Energy Investors 1707, L.L.C. 633 17th Street, Suite 2390-N Denver, CO 80202	
Street and Apt. No., City, State, ZIP+4®	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 2290 0000 3426 1906

U.S. Postal Service™
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OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy) \$	
☐ Return Receipt (electronic) \$	
☐ Certified Mail Restricted Delivery \$	
☐ Adult Signature Required \$	
☐ Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To Landis Drilling Co. P.O. Box 994 Midland, Texas 79701	
Street and Apt. No., or P.O. Box City, State, ZIP+4®	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 2290 0000 3426 1968

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy) \$	
☐ Return Receipt (electronic) \$	
☐ Certified Mail Restricted Delivery \$	
☐ Adult Signature Required \$	
☐ Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To Black & Gold Resources, L.L.C. 25025 IH 45 N, Suite 420 Spring, TX 77380	
Street and Apt. No., City, State, ZIP+4®	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

7018 2290 0000 3427 5637

U.S. Postal Service™
CERTIFIED MAIL® RECEIPT
Domestic Mail Only

For delivery information, visit our website at www.usps.com®.

OFFICIAL USE

Certified Mail Fee \$	Postmark Here
Extra Services & Fees (check box, add fee as appropriate)	
☐ Return Receipt (hardcopy) \$	
☐ Return Receipt (electronic) \$	
☐ Certified Mail Restricted Delivery \$	
☐ Adult Signature Required \$	
☐ Adult Signature Restricted Delivery \$	
Postage \$	
Total Postage and Fees \$	
Sent To Joan M. Moore, Independent Executrix of the Estate of Larry Moore 3602 Cedar Elm Lane Wichita Falls, TX 76308	
Street and Apt. No., or P.O. Box City, State, ZIP+4®	

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS, FOLD AT DOTTED LINE

CERTIFIED MAIL®



7018 2290 0000 3427 5644

\$6.95⁰
US POSTAGE
FIRST-CLASS

071V00607931
87501
000116863

LRF Limited Partnership
1300 America 1st Tower
Oklahoma City, OK 73102

IA
87504>1056

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Oklahoma City, OK 73102

Street and Apt. No., or

City, State, ZIP+4®

Postmark
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7018 2290 0000 3427 5644

James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
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7018 2290 0000 3426 1913

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071V00607931
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Douglas A. Tatum, P.C.
17480 Dallas Parkway
Dallas, TX 75287

7528763397 0001

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Postage

Total Postage and Fees

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Sent To Douglas A. Tatum, P.C.
17480 Dallas Parkway
Street and Apt. No., or P.O. Box Dallas, TX 75287
City, State, ZIP+4®

Postmark
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PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

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FIRST-CLASS

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87501
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ACF Petroleum Company
1370 Avenue of the Americas
New York, NY 10019



87504>105

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Postage \$

Total Postage and Fees

Sent To ACF Petroleum Company
1370 Avenue of the Americas
Street and Apt. No., New York, NY 10019
City, State, ZIP+4®

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James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

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7018 2290 0000 3427 5613

\$6.95⁰⁰
US POSTAGE
FIRST-CLASS

071V00607931
87501
000116861



☐ Undeliverable as
Addressed

Chessie Exploration, Inc.
P.O. Box 2960
Midland, TX 79702

☐ No Such Street
☐ No Such Number
☒ No Receipt
☐ Deceased
☐ Vacant

UTP

27564>1055

Known RTH

U.S. Postal Service™

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Extra Services & Fees (check box, add fee as appropriate)
☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$
Postage \$

Total Postage and Fees

Chessie Exploration, Inc.
P.O. Box 2960
Midland, TX 79702

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

James Bruce
P.O. Box 1056
Santa Fe, New Mexico 87504

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7018 2290 0000 3427 5620

\$6.95⁰
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071V00607931
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Estoril Producing Corporation
400 W. Texas Avenue
Midland, TX 79701

UTF
87504>1056
7970184402 0025



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Extra Services & Fees (check box, add fee as appropriate)

☐ Return Receipt (hardcopy) \$
☐ Return Receipt (electronic) \$
☐ Certified Mail Restricted Delivery \$
☐ Adult Signature Required \$
☐ Adult Signature Restricted Delivery \$

Postage

Total Postage and Fees

Sent To Estoril Producing Corporation

Street and Apt. No., or 400 W. Texas Avenue
Midland, TX 79701

City, State, ZIP+4®

PS Form 3800, April 2015 PSN 7530-02-000-9047 See Reverse for Instructions

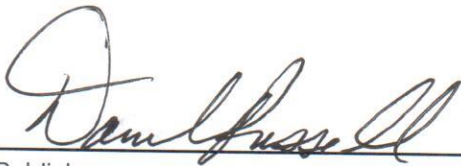
Postmark
Here

Affidavit of Publication

STATE OF NEW MEXICO
COUNTY OF LEA

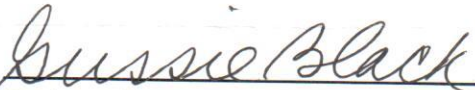
I, Daniel Russell, Publisher of the Hobbs News-Sun, a newspaper published at Hobbs, New Mexico, solemnly swear that the clipping attached hereto was published in the regular and entire issue of said newspaper, and not a supplement thereof for a period of 1 issue(s).

Beginning with the issue dated
September 19, 2019
and ending with the issue dated
September 19, 2019.



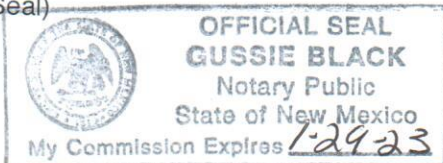
Publisher

Sworn and subscribed to before me this
19th day of September 2019.



Business Manager

My commission expires
January 29, 2023
(Seal)



This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937 and payment of fees for said

LEGAL	LEGAL
LEGAL NOTICE SEPTEMBER 19, 2019	
To: Black and Gold Resources LLC, Noel and Elizabeth Workman, P W Production Inc., Pride Energy Company, Charles C. Albright III as Trustee, Douglas A. Tatum P.C., Landis Drilling Co., Energy Investors 1987 L.P., Tom M. Ragsdale, Phoebe Tompkins, Maverick Oil and Gas Corporation, Endeavor Energy Resources L.P., Siana Oil & Gas Company LLC, LRF Limited Partnership, Joan M. Moore as Independent Executrix of the Estate of Larry Moore, Estoril Producing Corporation, Chessie Explorations Inc., and ACF Petroleum Company, or your heirs, devisees, successors, or assigns: Mewbourne Oil Company has filed an application with the New Mexico Oil Conservation Division (Case No. 20809) seeking an order pooling all mineral interests in the Bone Spring formation underlying a horizontal spacing unit comprised of the E/2E/2 of Section 10 and the E/2E/2 of Section 15, Township 23 South, Range 34 East, NMPM. The unit will be dedicated to the Ibex 15/10 B1AP Fed. Com. Well No. 2H and the Ibex 15/10 B3AP Fed. Com. Well No. 1H, horizontal wells with first take points in the SE/4SE/4 of Section 15 and final take points in the NE/4NE/4 of Section 10. Also to be considered will be the cost of drilling and completing the wells and the allocation of the cost thereof, as well as actual operating costs and charges for supervision, designation of applicant as operator of the wells, and a 200% charge for the risk involved in drilling and completing the wells. The application is scheduled to be heard at 8:15 a.m. on October 3, 2019 at the Division's offices at 1220 South St. Francis Drive, Santa Fe, New Mexico 87505. As an interest owner in the well unit you have the right to enter an appearance and participate in the case. Failure to appear will preclude you from contesting this matter at a later date. The attorney for applicant is James Bruce, P.O. Box 1056, Santa Fe, New Mexico 87504, (505) 982-2043. The unit is located approximately 19 miles west-southwest of Eunice, New Mexico. #34715	

EXHIBIT

3

01101711

00233632

JAMES BRUCE
JAMES BRUCE, ATTORNEY AT LAW
P.O. BOX 1056
SANTA FE, NM 87504

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION

APPLICATION OF MEWBOURNE OIL COMPANY
FOR COMPULSORY POOLING,
LEA COUNTY, NEW MEXICO.

Case No. 20809

VERIFIED STATEMENT OF JORDAN CARRELL

COUNTY OF MIDLAND)
) ss.
STATE OF TEXAS)

Jordan Carrell, being duly sworn upon his oath, deposes and states:

1. I am over the age of 18, and have personal knowledge of the matters stated herein.
2. I am a geologist for Mewbourne Oil Company ("Mewbourne"), and I am familiar with the geological matters involved in this case. I have been qualified by the Division as an expert petroleum geologist.
3. The following geological plats are attached hereto:
 - (a) Attachment A is a structure map of the Bone Spring formation, on the top of the Third Bone Spring Sand. It shows that structure is relatively flat north to south and dips to the east and west, and that the planned wellbore would drill along strike. It also shows a line of cross-section, A-A'.
 - (b) Attachment B is a gross sand isopach of the Third Bone Spring Sand, the test zone for the proposed Ibex 15/10 B3PA Fed Com. Well No. 1H. It shows that the target sand across the well unit has a uniform thickness of approximately 300-330 feet.
 - (c) Attachment C is a stratigraphic cross section with well logs on the cross-section that give a representative sample of the Bone Spring formation in this area. The target zone for the Ibex 15/10 B3PA Fed Com. Well No. 1H is labeled as the Third Bone Spring Sand, showing the zone is continuous across the well unit.
 - (d) Attachment D is a gross sand isopach of the First Bone Spring Sand, the test zone for the proposed Ibex 15/10 B1PA Fed Com. Well No. 2H. It shows that the target sand across the well unit has a uniform thickness of approximately 215-230 feet.
 - (e) Attachment E is a stratigraphic cross section with well logs on the cross-section that give a representative sample of the Bone Spring formation in this area. The target zone

EXHIBIT

4

for the Ibex 15/10 B1PA Fed Com. Well No. 2H is labeled as the First Bone Spring Sand, showing the zone is continuous across the well unit.

4. I conclude from the maps that:

(a) The horizontal spacing unit is justified from a geologic standpoint.

(b) Each quarter-quarter section in the unit will contribute more or less equally to production.

(c) There is no faulting or other geologic impediment on the area which will affect the drilling of the subject well.

5. Attachment F is the Wellbore Survey Plan for the B3PA well. The producing interval of the proposed well will be orthodox.

6. Attachment G is the Wellbore Survey Plan for the B1PA well. The producing interval of the proposed well will be orthodox.

A handwritten signature in cursive script, reading "Jordan Carrell", written in black ink.

Jordan Carrell

VERIFICATION

STATE OF TEXAS)
) ss.
COUNTY OF MIDLAND)

Jordan Carrell, being duly sworn upon his oath, deposes and states that: He is a geologist for Mewbourne Oil Company; he is authorized to make this verification on its behalf; he has read the foregoing statement, and knows the contents thereof; and the same is true and correct to the best of his knowledge, information, and belief.

Jordan Carrell

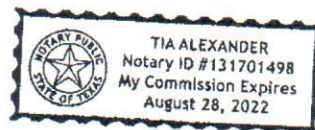
Jordan Carrell

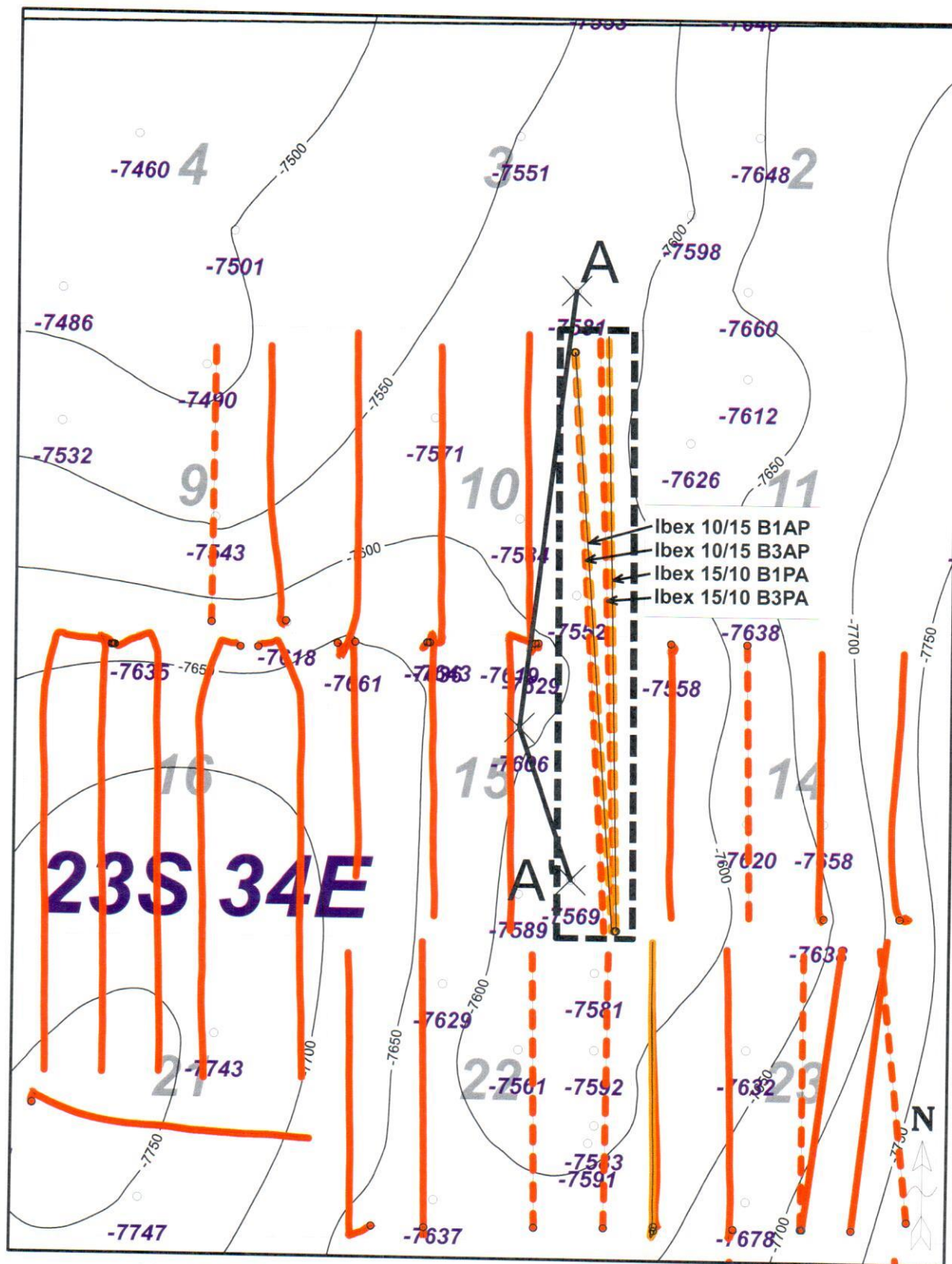
SUBSCRIBED AND SWORN TO before me this 1 day of October, 2019 by Jordan Carrell.

My Commission Expires: 8-28-22

Tia Alexander

Notary Public





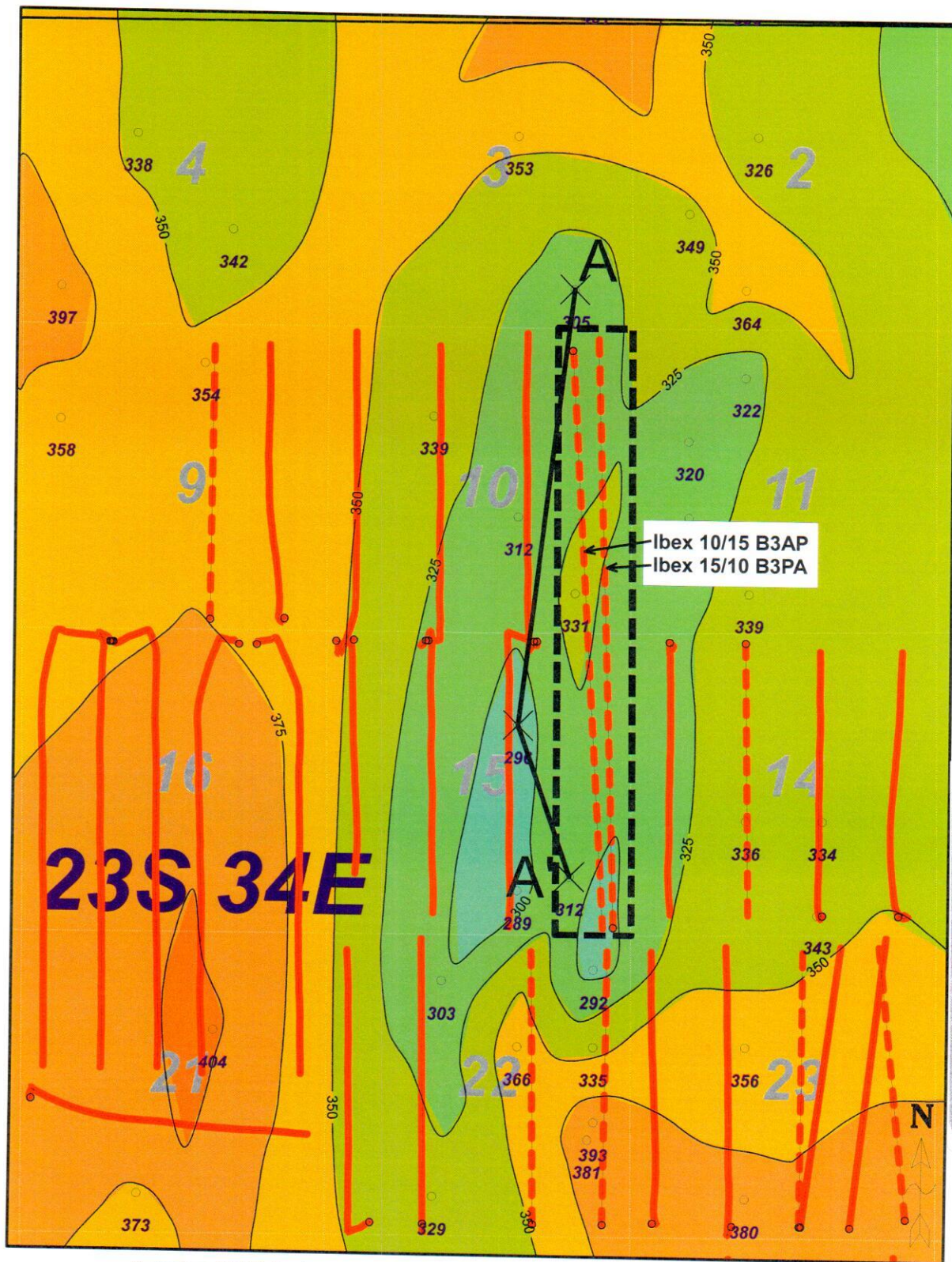
1 inch = 2500 feet
 2500 0 2500 ft

Horizontal Color Code

- | | |
|---------------------|--|
| 1st Sd Drilled Well | |
| 1st Sd Permit | |
| 3rd Sd Drilled Well | |
| 3rd Sd Permit | |

Mewbourne Oil Company		
1 st and 3 rd BSPG horizontal well activity Map Top of 3 rd BSPG Sand Structure Map Exhibit C.I. = 50'		
Section 10 & 15, 23S/34E, Lea County, New Mexico		
Author: JRC	Scale: 1" = 2500'	Date: 27 September, 2019

ATTACHMENT A



23S 34E

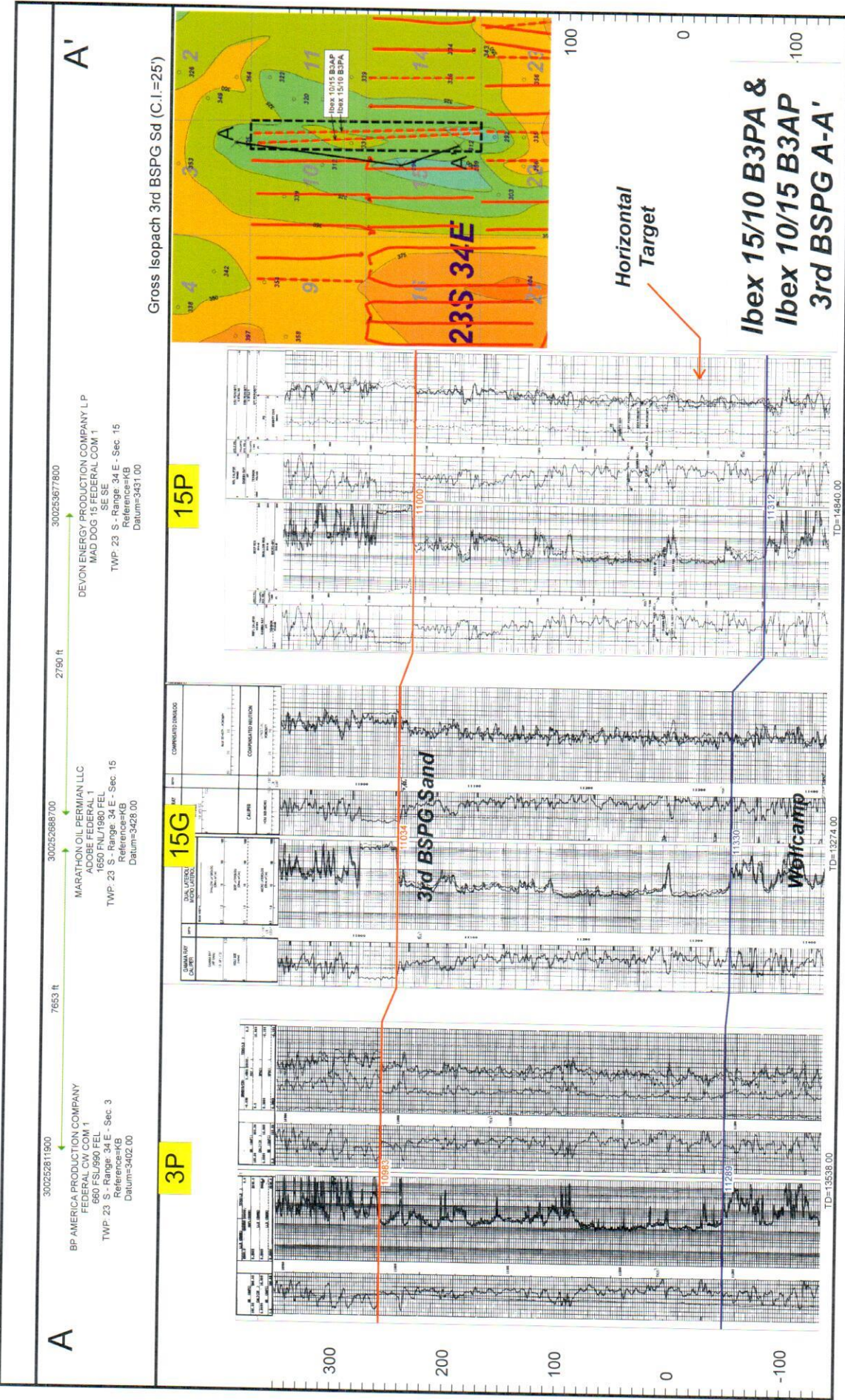
1 inch = 2500 feet
 2500 0 2500 ft

3rd Bone Spring
Horizontal Color Code

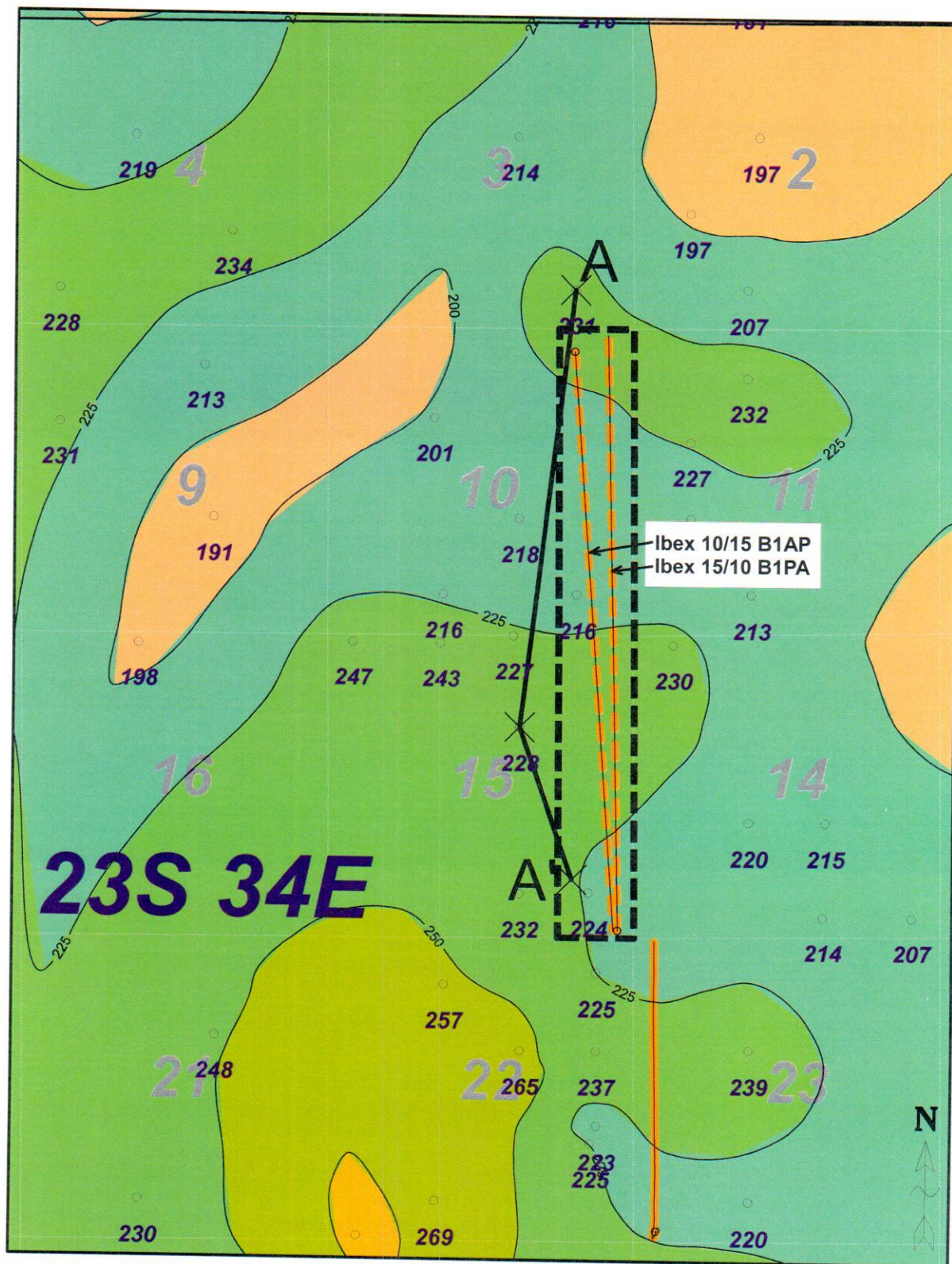
Drilled Well ———
 Permitted Well - - - - -

 Mewbourne Oil Company		
Ibex 15/10 B3PA Fed Com #1H Ibex 10/15 B3AP Fed Com #1H 3rd BSPG Gross Sand Isopach Map Exhibit C.I. = 25'		
Section 10 & 15, 23S/34E, Lea County, New Mexico		
Author: JRC	Scale: 1" = 2500'	Date: 30 September, 2019

ATTACHMENT *B*



ATTACHMENT C



1 inch = 2500 feet
 2500 0 2500 ft

1st Bone Spring
Horizontal Color Code

Drilled Well ———
 Permitted Well - - - - -

MOC Mewbourne Oil Company		
Ibex 15/10 B1PA Fed Com #2H Ibex 10/15 B1AP Fed Com #2H 1 st BSPG Gross Sand Isopach Map Exhibit C.I. = 25'		
Section 10 & 15, 23S/34E, Lea County, New Mexico		
Author: JRC	Scale: 1" = 2500'	Date: 30 September, 2019

ATTACHMENT D

A

300252811900
BP AMERICA PRODUCTION COMPANY
FEDERAL OIL COM 1
1550 FNU/1990 FEL
TWP 23 S - Range 34 E - Sec 3
Reference=KB
Datum=3402.00

7653 ft

300252686700

MARATHON OIL PERMAN LLC
ADOBE FEDERAL 1
1550 FNU/1990 FEL
TWP 23 S - Range 34 E - Sec 15
Reference=KB
Datum=3426.00

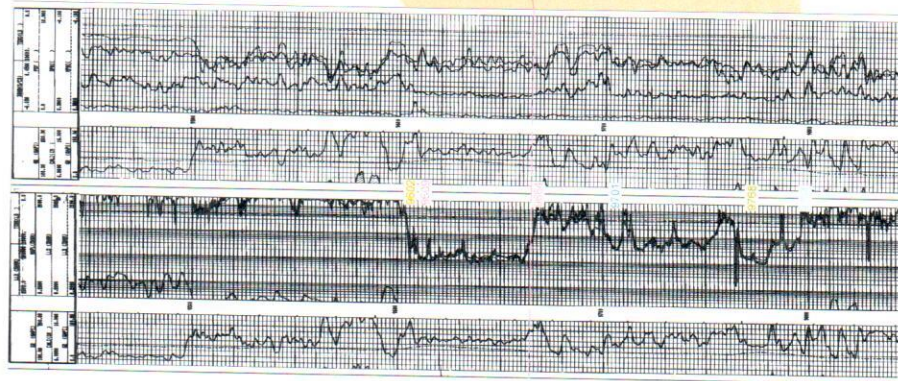
3025 ft

300252677800

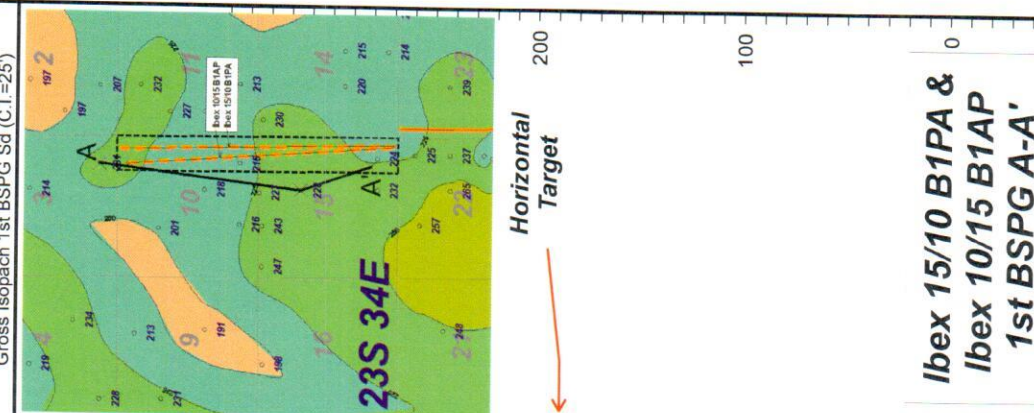
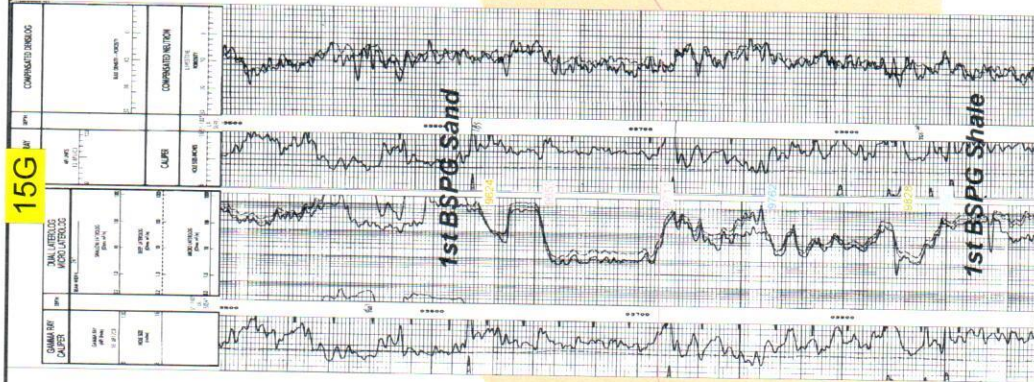
DEVON ENERGY PRODUCTION COMPANY L.P
MAD DOG 15 FEDERAL COM 1
SE SE
TWP 23 S - Range 34 E - Sec 15
Reference=KB
Datum=3431.00

A'

3P



15P



Gross Isopach 1st BSPG Sq (C.I.=25')



Horizontal Target

Ibex 15/10 B1PA &
Ibex 10/15 B1AP
1st BSPG A-A'

ATTACHMENT E

Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Ibex 15/10 B3PA Fed Com #1H

Sec 15, T23S, R34E

SHL: 140' FSL & 305' FEL, Sec 15

BHL: 100' FNL & 600' FEL, Sec 10

Plan: Design #1

Standard Planning Report

21 August, 2019

ATTACHMENT *F*

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B3PA Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3440.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3440.0usft (Original Well Elev)
Site:	Ibex 15/10 B3PA Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 600' FEL, Sec 10		
Design:	Design #1		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Ibex 15/10 B3PA Fed Com #1H		
Site Position:		Northing:	473,175.00 usft
From:	Map	Easting:	814,157.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.2977438
		Longitude:	-103.4503864
		Grid Convergence:	0.47 °

Well	Sec 15, T23S, R34E		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,440.0 usft
		Latitude:	32.2977438
		Longitude:	-103.4503864
		Ground Level:	3,413.0 usft

Wellbore	BHL: 100' FNL & 600' FEL, Sec 10		
Magnetics	Model Name	Sample Date	Declination
	IGRF2010	8/19/2019	6.52
			Dip Angle
			60.06
			Field Strength
			47,829

Design	Design #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N-S	+E-W
	(usft)	(usft)	(usft)
	0.0	0.0	0.0
			Direction
			357.86

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N-S (usft)	+E-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,330.0	1.95	245.82	1,330.0	-0.9	-2.0	1.50	1.50	0.00	245.82	
10,668.0	1.95	245.82	10,662.5	-131.1	-292.0	0.00	0.00	0.00	0.00	
10,798.0	0.00	0.00	10,792.5	-132.0	-294.0	1.50	-1.50	0.00	180.00	KOP: 10' FSL & 600' I
11,546.4	89.80	359.50	11,270.0	343.8	-298.2	12.00	12.00	0.00	-0.50	
21,523.0	89.80	359.50	11,304.0	10,320.0	-386.0	0.00	0.00	0.00	0.00	BHL: 100' FNL & 600'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B3PA Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3440.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3440.0usft (Original Well Elev)
Site:	Ibex 15/10 B3PA Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 600' FEL, Sec 10		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SL: 140' FSL & 305' FEL (15)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	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	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	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	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	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	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	1.50	245.82	1,300.0	-0.5	-1.2	-0.5	1.50	1.50	0.00
1,330.0	1.95	245.82	1,330.0	-0.9	-2.0	-0.8	1.50	1.50	0.00
1,400.0	1.95	245.82	1,399.9	-1.9	-4.2	-1.7	0.00	0.00	0.00
1,500.0	1.95	245.82	1,499.9	-3.3	-7.3	-3.0	0.00	0.00	0.00
1,600.0	1.95	245.82	1,599.8	-4.7	-10.4	-4.3	0.00	0.00	0.00
1,700.0	1.95	245.82	1,699.8	-6.1	-13.5	-5.6	0.00	0.00	0.00
1,800.0	1.95	245.82	1,799.7	-7.5	-16.6	-6.8	0.00	0.00	0.00
1,900.0	1.95	245.82	1,899.6	-8.9	-19.7	-8.1	0.00	0.00	0.00
2,000.0	1.95	245.82	1,999.6	-10.2	-22.8	-9.4	0.00	0.00	0.00
2,100.0	1.95	245.82	2,099.5	-11.6	-25.9	-10.7	0.00	0.00	0.00
2,200.0	1.95	245.82	2,199.5	-13.0	-29.0	-11.9	0.00	0.00	0.00
2,300.0	1.95	245.82	2,299.4	-14.4	-32.1	-13.2	0.00	0.00	0.00
2,400.0	1.95	245.82	2,399.4	-15.8	-35.2	-14.5	0.00	0.00	0.00
2,500.0	1.95	245.82	2,499.3	-17.2	-38.3	-15.8	0.00	0.00	0.00
2,600.0	1.95	245.82	2,599.2	-18.6	-41.5	-17.0	0.00	0.00	0.00
2,700.0	1.95	245.82	2,699.2	-20.0	-44.6	-18.3	0.00	0.00	0.00
2,800.0	1.95	245.82	2,799.1	-21.4	-47.7	-19.6	0.00	0.00	0.00
2,900.0	1.95	245.82	2,899.1	-22.8	-50.8	-20.9	0.00	0.00	0.00
3,000.0	1.95	245.82	2,999.0	-24.2	-53.9	-22.2	0.00	0.00	0.00
3,100.0	1.95	245.82	3,098.9	-25.6	-57.0	-23.4	0.00	0.00	0.00
3,200.0	1.95	245.82	3,198.9	-27.0	-60.1	-24.7	0.00	0.00	0.00
3,300.0	1.95	245.82	3,298.8	-28.4	-63.2	-26.0	0.00	0.00	0.00
3,400.0	1.95	245.82	3,398.8	-29.8	-66.3	-27.3	0.00	0.00	0.00
3,500.0	1.95	245.82	3,498.7	-31.2	-69.4	-28.5	0.00	0.00	0.00
3,600.0	1.95	245.82	3,598.7	-32.6	-72.5	-29.8	0.00	0.00	0.00
3,700.0	1.95	245.82	3,698.6	-33.9	-75.6	-31.1	0.00	0.00	0.00
3,800.0	1.95	245.82	3,798.5	-35.3	-78.7	-32.4	0.00	0.00	0.00
3,900.0	1.95	245.82	3,898.5	-36.7	-81.8	-33.7	0.00	0.00	0.00
4,000.0	1.95	245.82	3,998.4	-38.1	-84.9	-34.9	0.00	0.00	0.00
4,100.0	1.95	245.82	4,098.4	-39.5	-88.0	-36.2	0.00	0.00	0.00
4,200.0	1.95	245.82	4,198.3	-40.9	-91.1	-37.5	0.00	0.00	0.00
4,300.0	1.95	245.82	4,298.3	-42.3	-94.2	-38.8	0.00	0.00	0.00
4,400.0	1.95	245.82	4,398.2	-43.7	-97.3	-40.0	0.00	0.00	0.00
4,500.0	1.95	245.82	4,498.1	-45.1	-100.5	-41.3	0.00	0.00	0.00
4,600.0	1.95	245.82	4,598.1	-46.5	-103.6	-42.6	0.00	0.00	0.00
4,700.0	1.95	245.82	4,698.0	-47.9	-106.7	-43.9	0.00	0.00	0.00
4,800.0	1.95	245.82	4,798.0	-49.3	-109.8	-45.1	0.00	0.00	0.00
4,900.0	1.95	245.82	4,897.9	-50.7	-112.9	-46.4	0.00	0.00	0.00
5,000.0	1.95	245.82	4,997.8	-52.1	-116.0	-47.7	0.00	0.00	0.00
5,100.0	1.95	245.82	5,097.8	-53.5	-119.1	-49.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B3PA Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3440.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3440.0usft (Original Well Elev)
Site:	Ibex 15/10 B3PA Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 600' FEL, Sec 10		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	1.95	245.82	5,197.7	-54.9	-122.2	-50.3	0.00	0.00	0.00
5,300.0	1.95	245.82	5,297.7	-56.3	-125.3	-51.5	0.00	0.00	0.00
5,400.0	1.95	245.82	5,397.6	-57.6	-128.4	-52.8	0.00	0.00	0.00
5,500.0	1.95	245.82	5,497.6	-59.0	-131.5	-54.1	0.00	0.00	0.00
5,600.0	1.95	245.82	5,597.5	-60.4	-134.6	-55.4	0.00	0.00	0.00
5,700.0	1.95	245.82	5,697.4	-61.8	-137.7	-56.6	0.00	0.00	0.00
5,800.0	1.95	245.82	5,797.4	-63.2	-140.8	-57.9	0.00	0.00	0.00
5,900.0	1.95	245.82	5,897.3	-64.6	-143.9	-59.2	0.00	0.00	0.00
6,000.0	1.95	245.82	5,997.3	-66.0	-147.0	-60.5	0.00	0.00	0.00
6,100.0	1.95	245.82	6,097.2	-67.4	-150.1	-61.7	0.00	0.00	0.00
6,200.0	1.95	245.82	6,197.2	-68.8	-153.2	-63.0	0.00	0.00	0.00
6,300.0	1.95	245.82	6,297.1	-70.2	-156.3	-64.3	0.00	0.00	0.00
6,400.0	1.95	245.82	6,397.0	-71.6	-159.5	-65.6	0.00	0.00	0.00
6,500.0	1.95	245.82	6,497.0	-73.0	-162.6	-66.9	0.00	0.00	0.00
6,600.0	1.95	245.82	6,596.9	-74.4	-165.7	-68.1	0.00	0.00	0.00
6,700.0	1.95	245.82	6,696.9	-75.8	-168.8	-69.4	0.00	0.00	0.00
6,800.0	1.95	245.82	6,796.8	-77.2	-171.9	-70.7	0.00	0.00	0.00
6,900.0	1.95	245.82	6,896.7	-78.6	-175.0	-72.0	0.00	0.00	0.00
7,000.0	1.95	245.82	6,996.7	-80.0	-178.1	-73.2	0.00	0.00	0.00
7,100.0	1.95	245.82	7,096.6	-81.3	-181.2	-74.5	0.00	0.00	0.00
7,200.0	1.95	245.82	7,196.6	-82.7	-184.3	-75.8	0.00	0.00	0.00
7,300.0	1.95	245.82	7,296.5	-84.1	-187.4	-77.1	0.00	0.00	0.00
7,400.0	1.95	245.82	7,396.5	-85.5	-190.5	-78.4	0.00	0.00	0.00
7,500.0	1.95	245.82	7,496.4	-86.9	-193.6	-79.6	0.00	0.00	0.00
7,600.0	1.95	245.82	7,596.3	-88.3	-196.7	-80.9	0.00	0.00	0.00
7,700.0	1.95	245.82	7,696.3	-89.7	-199.8	-82.2	0.00	0.00	0.00
7,800.0	1.95	245.82	7,796.2	-91.1	-202.9	-83.5	0.00	0.00	0.00
7,900.0	1.95	245.82	7,896.2	-92.5	-206.0	-84.7	0.00	0.00	0.00
8,000.0	1.95	245.82	7,996.1	-93.9	-209.1	-86.0	0.00	0.00	0.00
8,100.0	1.95	245.82	8,096.1	-95.3	-212.2	-87.3	0.00	0.00	0.00
8,200.0	1.95	245.82	8,196.0	-96.7	-215.3	-88.6	0.00	0.00	0.00
8,300.0	1.95	245.82	8,295.9	-98.1	-218.5	-89.8	0.00	0.00	0.00
8,400.0	1.95	245.82	8,395.9	-99.5	-221.6	-91.1	0.00	0.00	0.00
8,500.0	1.95	245.82	8,495.8	-100.9	-224.7	-92.4	0.00	0.00	0.00
8,600.0	1.95	245.82	8,595.8	-102.3	-227.8	-93.7	0.00	0.00	0.00
8,700.0	1.95	245.82	8,695.7	-103.7	-230.9	-95.0	0.00	0.00	0.00
8,800.0	1.95	245.82	8,795.6	-105.1	-234.0	-96.2	0.00	0.00	0.00
8,900.0	1.95	245.82	8,895.6	-106.4	-237.1	-97.5	0.00	0.00	0.00
9,000.0	1.95	245.82	8,995.5	-107.8	-240.2	-98.8	0.00	0.00	0.00
9,100.0	1.95	245.82	9,095.5	-109.2	-243.3	-100.1	0.00	0.00	0.00
9,200.0	1.95	245.82	9,195.4	-110.6	-246.4	-101.3	0.00	0.00	0.00
9,300.0	1.95	245.82	9,295.4	-112.0	-249.5	-102.6	0.00	0.00	0.00
9,400.0	1.95	245.82	9,395.3	-113.4	-252.6	-103.9	0.00	0.00	0.00
9,500.0	1.95	245.82	9,495.2	-114.8	-255.7	-105.2	0.00	0.00	0.00
9,600.0	1.95	245.82	9,595.2	-116.2	-258.8	-106.4	0.00	0.00	0.00
9,700.0	1.95	245.82	9,695.1	-117.6	-261.9	-107.7	0.00	0.00	0.00
9,800.0	1.95	245.82	9,795.1	-119.0	-265.0	-109.0	0.00	0.00	0.00
9,900.0	1.95	245.82	9,895.0	-120.4	-268.1	-110.3	0.00	0.00	0.00
10,000.0	1.95	245.82	9,995.0	-121.8	-271.2	-111.6	0.00	0.00	0.00
10,100.0	1.95	245.82	10,094.9	-123.2	-274.3	-112.8	0.00	0.00	0.00
10,200.0	1.95	245.82	10,194.8	-124.6	-277.4	-114.1	0.00	0.00	0.00
10,300.0	1.95	245.82	10,294.8	-126.0	-280.6	-115.4	0.00	0.00	0.00
10,400.0	1.95	245.82	10,394.7	-127.4	-283.7	-116.7	0.00	0.00	0.00
10,500.0	1.95	245.82	10,494.7	-128.8	-286.8	-117.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibox 15/10 B3PA Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3440.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3440.0usft (Original Well Elev)
Site:	Ibox 15/10 B3PA Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 600' FEL, Sec 10		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
10,600.0	1.95	245.82	10,594.6	-130.1	-289.9	-119.2	0.00	0.00	0.00
10,668.0	1.95	245.82	10,662.5	-131.1	-292.0	-120.1	0.00	0.00	0.00
10,700.0	1.47	245.82	10,694.5	-131.5	-292.9	-120.4	1.50	-1.50	0.00
10,798.0	0.00	0.00	10,792.5	-132.0	-294.0	-120.9	1.50	-1.50	0.00
KOP: 10' FSL & 600' FEL (15)									
10,800.0	0.24	359.50	10,794.5	-132.0	-294.0	-120.9	12.00	12.00	0.00
10,900.0	12.24	359.50	10,893.8	-121.1	-294.1	-110.1	12.00	12.00	0.00
11,000.0	24.24	359.50	10,988.6	-89.9	-294.4	-78.8	12.00	12.00	0.00
11,096.0	35.76	359.50	11,071.6	-42.0	-294.8	-30.9	12.00	12.00	0.00
FTP: 100' FSL & 600' FEL (15)									
11,100.0	36.24	359.50	11,074.8	-39.6	-294.8	-28.6	12.00	12.00	0.00
11,200.0	48.24	359.50	11,148.7	27.5	-295.4	38.5	12.00	12.00	0.00
11,300.0	60.24	359.50	11,207.0	108.5	-296.1	119.4	12.00	12.00	0.00
11,400.0	72.24	359.50	11,247.2	199.8	-296.9	210.8	12.00	12.00	0.00
11,500.0	84.24	359.50	11,267.6	297.5	-297.8	308.5	12.00	12.00	0.00
11,546.4	89.80	359.50	11,270.0	343.8	-298.2	354.7	12.00	12.00	0.00
LP: 484' FSL & 600' FEL (15)									
11,600.0	89.80	359.50	11,270.2	397.4	-298.7	408.3	0.00	0.00	0.00
11,700.0	89.80	359.50	11,270.5	497.4	-299.5	508.3	0.00	0.00	0.00
11,800.0	89.80	359.50	11,270.9	597.4	-300.4	608.2	0.00	0.00	0.00
11,900.0	89.80	359.50	11,271.2	697.4	-301.3	708.2	0.00	0.00	0.00
12,000.0	89.80	359.50	11,271.5	797.4	-302.2	808.2	0.00	0.00	0.00
12,100.0	89.80	359.50	11,271.9	897.4	-303.1	908.1	0.00	0.00	0.00
12,200.0	89.80	359.50	11,272.2	997.4	-303.9	1,008.1	0.00	0.00	0.00
12,300.0	89.80	359.50	11,272.6	1,097.4	-304.8	1,108.0	0.00	0.00	0.00
12,400.0	89.80	359.50	11,272.9	1,197.4	-305.7	1,208.0	0.00	0.00	0.00
12,500.0	89.80	359.50	11,273.2	1,297.4	-306.6	1,308.0	0.00	0.00	0.00
12,600.0	89.80	359.50	11,273.6	1,397.4	-307.5	1,407.9	0.00	0.00	0.00
12,700.0	89.80	359.50	11,273.9	1,497.4	-308.3	1,507.9	0.00	0.00	0.00
12,800.0	89.80	359.50	11,274.3	1,597.4	-309.2	1,607.8	0.00	0.00	0.00
12,900.0	89.80	359.50	11,274.6	1,697.4	-310.1	1,707.8	0.00	0.00	0.00
13,000.0	89.80	359.50	11,275.0	1,797.4	-311.0	1,807.7	0.00	0.00	0.00
13,100.0	89.80	359.50	11,275.3	1,897.4	-311.9	1,907.7	0.00	0.00	0.00
13,200.0	89.80	359.50	11,275.6	1,997.4	-312.7	2,007.7	0.00	0.00	0.00
13,300.0	89.80	359.50	11,276.0	2,097.4	-313.6	2,107.6	0.00	0.00	0.00
13,400.0	89.80	359.50	11,276.3	2,197.4	-314.5	2,207.6	0.00	0.00	0.00
13,500.0	89.80	359.50	11,276.7	2,297.4	-315.4	2,307.5	0.00	0.00	0.00
13,600.0	89.80	359.50	11,277.0	2,397.4	-316.3	2,407.5	0.00	0.00	0.00
13,700.0	89.80	359.50	11,277.3	2,497.4	-317.1	2,507.5	0.00	0.00	0.00
13,700.6	89.80	359.50	11,277.3	2,498.0	-317.1	2,508.1	0.00	0.00	0.00
PPP2: 2640' FNL & 600' FEL (15)									
13,800.0	89.80	359.50	11,277.7	2,597.3	-318.0	2,607.4	0.00	0.00	0.00
13,900.0	89.80	359.50	11,278.0	2,697.3	-318.9	2,707.4	0.00	0.00	0.00
14,000.0	89.80	359.50	11,278.4	2,797.3	-319.8	2,807.3	0.00	0.00	0.00
14,100.0	89.80	359.50	11,278.7	2,897.3	-320.7	2,907.3	0.00	0.00	0.00
14,200.0	89.80	359.50	11,279.0	2,997.3	-321.5	3,007.3	0.00	0.00	0.00
14,300.0	89.80	359.50	11,279.4	3,097.3	-322.4	3,107.2	0.00	0.00	0.00
14,400.0	89.80	359.50	11,279.7	3,197.3	-323.3	3,207.2	0.00	0.00	0.00
14,500.0	89.80	359.50	11,280.1	3,297.3	-324.2	3,307.1	0.00	0.00	0.00
14,600.0	89.80	359.50	11,280.4	3,397.3	-325.1	3,407.1	0.00	0.00	0.00
14,700.0	89.80	359.50	11,280.7	3,497.3	-325.9	3,507.0	0.00	0.00	0.00
14,800.0	89.80	359.50	11,281.1	3,597.3	-326.8	3,607.0	0.00	0.00	0.00
14,900.0	89.80	359.50	11,281.4	3,697.3	-327.7	3,707.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B3PA Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3440.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3440.0usft (Original Well Elev)
Site:	Ibex 15/10 B3PA Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 600' FEL, Sec 10		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Bulld Rate (°/100usft)	Turn Rate (°/100usft)
15,000.0	89.80	359.50	11,281.8	3,797.3	-328.6	3,806.9	0.00	0.00	0.00
15,100.0	89.80	359.50	11,282.1	3,897.3	-329.5	3,906.9	0.00	0.00	0.00
15,200.0	89.80	359.50	11,282.5	3,997.3	-330.3	4,006.8	0.00	0.00	0.00
15,300.0	89.80	359.50	11,282.8	4,097.3	-331.2	4,106.8	0.00	0.00	0.00
15,400.0	89.80	359.50	11,283.1	4,197.3	-332.1	4,206.8	0.00	0.00	0.00
15,500.0	89.80	359.50	11,283.5	4,297.3	-333.0	4,306.7	0.00	0.00	0.00
15,600.0	89.80	359.50	11,283.8	4,397.3	-333.9	4,406.7	0.00	0.00	0.00
15,700.0	89.80	359.50	11,284.2	4,497.3	-334.7	4,506.6	0.00	0.00	0.00
15,800.0	89.80	359.50	11,284.5	4,597.3	-335.6	4,606.6	0.00	0.00	0.00
15,900.0	89.80	359.50	11,284.8	4,697.3	-336.5	4,706.5	0.00	0.00	0.00
16,000.0	89.80	359.50	11,285.2	4,797.2	-337.4	4,806.5	0.00	0.00	0.00
16,100.0	89.80	359.50	11,285.5	4,897.2	-338.3	4,906.5	0.00	0.00	0.00
16,200.0	89.80	359.50	11,285.9	4,997.2	-339.1	5,006.4	0.00	0.00	0.00
16,300.0	89.80	359.50	11,286.2	5,097.2	-340.0	5,106.4	0.00	0.00	0.00
16,400.0	89.80	359.50	11,286.5	5,197.2	-340.9	5,206.3	0.00	0.00	0.00
16,483.8	89.80	359.50	11,286.8	5,281.0	-341.6	5,290.1	0.00	0.00	0.00
PPP3: 0' FSL & 600' FEL (10)									
16,500.0	89.80	359.50	11,286.9	5,297.2	-341.8	5,306.3	0.00	0.00	0.00
16,600.0	89.80	359.50	11,287.2	5,397.2	-342.7	5,406.3	0.00	0.00	0.00
16,700.0	89.80	359.50	11,287.6	5,497.2	-343.5	5,506.2	0.00	0.00	0.00
16,800.0	89.80	359.50	11,287.9	5,597.2	-344.4	5,606.2	0.00	0.00	0.00
16,900.0	89.80	359.50	11,288.2	5,697.2	-345.3	5,706.1	0.00	0.00	0.00
17,000.0	89.80	359.50	11,288.6	5,797.2	-346.2	5,806.1	0.00	0.00	0.00
17,100.0	89.80	359.50	11,288.9	5,897.2	-347.1	5,906.1	0.00	0.00	0.00
17,200.0	89.80	359.50	11,289.3	5,997.2	-348.0	6,006.0	0.00	0.00	0.00
17,300.0	89.80	359.50	11,289.6	6,097.2	-348.8	6,106.0	0.00	0.00	0.00
17,400.0	89.80	359.50	11,289.9	6,197.2	-349.7	6,205.9	0.00	0.00	0.00
17,500.0	89.80	359.50	11,290.3	6,297.2	-350.6	6,305.9	0.00	0.00	0.00
17,600.0	89.80	359.50	11,290.6	6,397.2	-351.5	6,405.8	0.00	0.00	0.00
17,700.0	89.80	359.50	11,291.0	6,497.2	-352.4	6,505.8	0.00	0.00	0.00
17,800.0	89.80	359.50	11,291.3	6,597.2	-353.2	6,605.8	0.00	0.00	0.00
17,804.8	89.80	359.50	11,291.3	6,602.0	-353.3	6,610.6	0.00	0.00	0.00
PPP4: 1320' FSL & 600' FEL (10)									
17,900.0	89.80	359.50	11,291.7	6,697.2	-354.1	6,705.7	0.00	0.00	0.00
18,000.0	89.80	359.50	11,292.0	6,797.2	-355.0	6,805.7	0.00	0.00	0.00
18,100.0	89.80	359.50	11,292.3	6,897.2	-355.9	6,905.6	0.00	0.00	0.00
18,200.0	89.80	359.50	11,292.7	6,997.1	-356.8	7,005.6	0.00	0.00	0.00
18,300.0	89.80	359.50	11,293.0	7,097.1	-357.6	7,105.6	0.00	0.00	0.00
18,400.0	89.80	359.50	11,293.4	7,197.1	-358.5	7,205.5	0.00	0.00	0.00
18,500.0	89.80	359.50	11,293.7	7,297.1	-359.4	7,305.5	0.00	0.00	0.00
18,600.0	89.80	359.50	11,294.0	7,397.1	-360.3	7,405.4	0.00	0.00	0.00
18,700.0	89.80	359.50	11,294.4	7,497.1	-361.2	7,505.4	0.00	0.00	0.00
18,800.0	89.80	359.50	11,294.7	7,597.1	-362.0	7,605.3	0.00	0.00	0.00
18,900.0	89.80	359.50	11,295.1	7,697.1	-362.9	7,705.3	0.00	0.00	0.00
19,000.0	89.80	359.50	11,295.4	7,797.1	-363.8	7,805.3	0.00	0.00	0.00
19,100.0	89.80	359.50	11,295.7	7,897.1	-364.7	7,905.2	0.00	0.00	0.00
19,200.0	89.80	359.50	11,296.1	7,997.1	-365.6	8,005.2	0.00	0.00	0.00
19,300.0	89.80	359.50	11,296.4	8,097.1	-366.4	8,105.1	0.00	0.00	0.00
19,400.0	89.80	359.50	11,296.8	8,197.1	-367.3	8,205.1	0.00	0.00	0.00
19,500.0	89.80	359.50	11,297.1	8,297.1	-368.2	8,305.1	0.00	0.00	0.00
19,600.0	89.80	359.50	11,297.4	8,397.1	-369.1	8,405.0	0.00	0.00	0.00
19,700.0	89.80	359.50	11,297.8	8,497.1	-370.0	8,505.0	0.00	0.00	0.00
19,800.0	89.80	359.50	11,298.1	8,597.1	-370.8	8,604.9	0.00	0.00	0.00
19,900.0	89.80	359.50	11,298.5	8,697.1	-371.7	8,704.9	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B3PA Fed Com #1H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3440.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3440.0usft (Original Well Elev)
Site:	Ibex 15/10 B3PA Fed Com #1H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 600' FEL, Sec 10		
Design:	Design #1		

Planned Survey

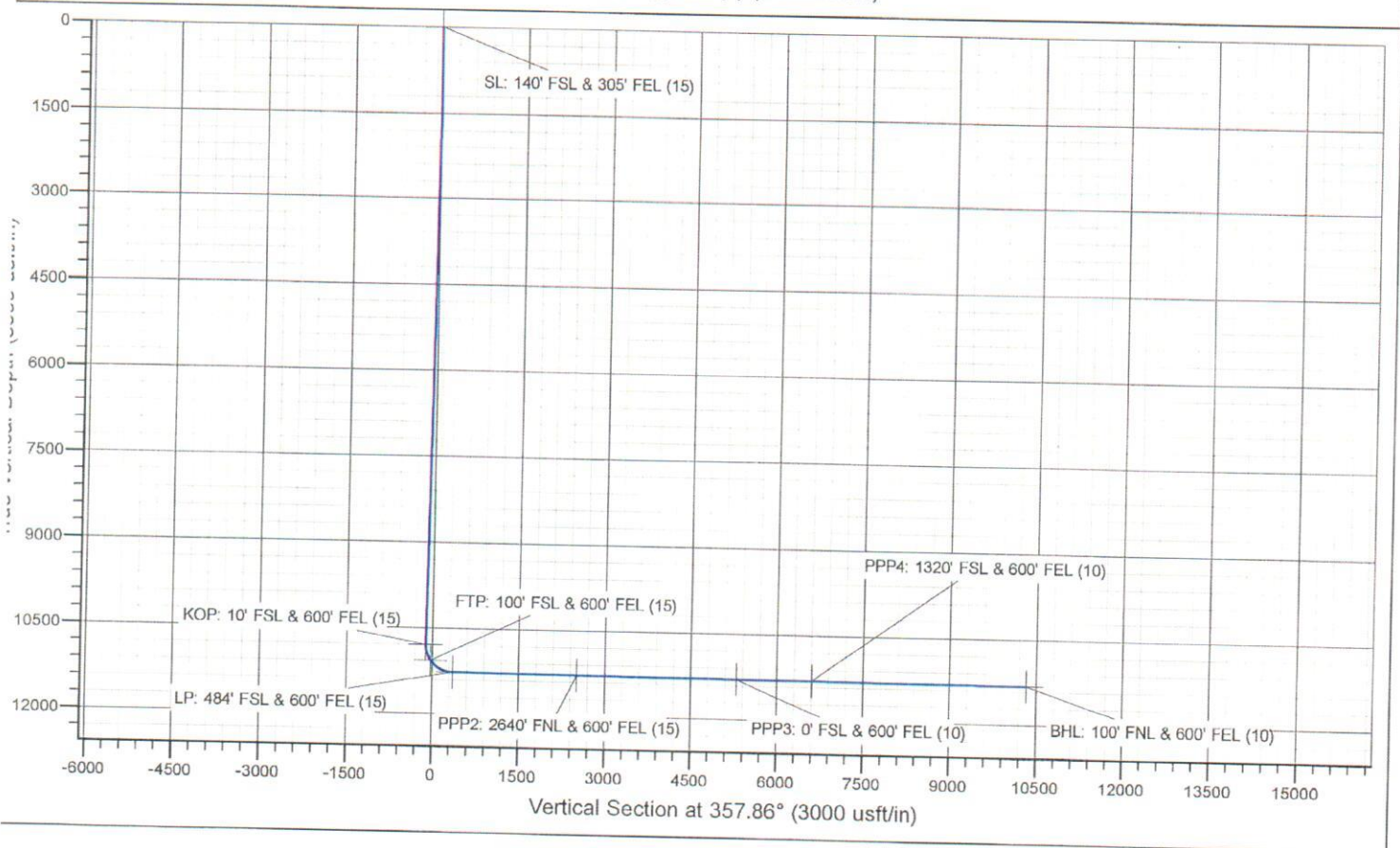
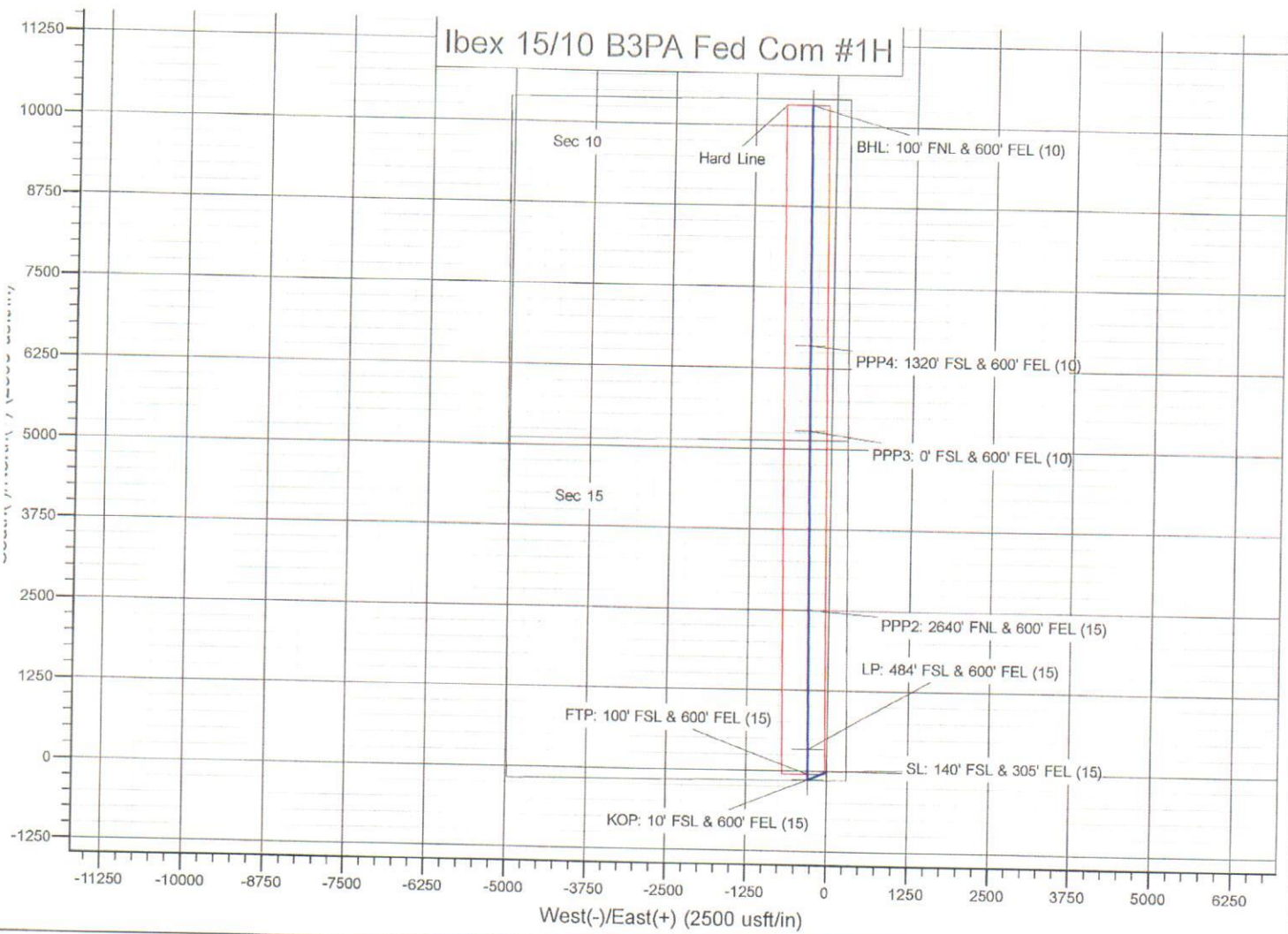
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
20,000.0	89.80	359.50	11,298.8	8,797.1	-372.6	8,804.8	0.00	0.00	0.00
20,100.0	89.80	359.50	11,299.2	8,897.1	-373.5	8,904.8	0.00	0.00	0.00
20,200.0	89.80	359.50	11,299.5	8,997.1	-374.4	9,004.8	0.00	0.00	0.00
20,300.0	89.80	359.50	11,299.8	9,097.1	-375.2	9,104.7	0.00	0.00	0.00
20,400.0	89.80	359.50	11,300.2	9,197.1	-376.1	9,204.7	0.00	0.00	0.00
20,500.0	89.80	359.50	11,300.5	9,297.0	-377.0	9,304.6	0.00	0.00	0.00
20,600.0	89.80	359.50	11,300.9	9,397.0	-377.9	9,404.6	0.00	0.00	0.00
20,700.0	89.80	359.50	11,301.2	9,497.0	-378.8	9,504.6	0.00	0.00	0.00
20,800.0	89.80	359.50	11,301.5	9,597.0	-379.6	9,604.5	0.00	0.00	0.00
20,900.0	89.80	359.50	11,301.9	9,697.0	-380.5	9,704.5	0.00	0.00	0.00
21,000.0	89.80	359.50	11,302.2	9,797.0	-381.4	9,804.4	0.00	0.00	0.00
21,100.0	89.80	359.50	11,302.6	9,897.0	-382.3	9,904.4	0.00	0.00	0.00
21,200.0	89.80	359.50	11,302.9	9,997.0	-383.2	10,004.4	0.00	0.00	0.00
21,300.0	89.80	359.50	11,303.2	10,097.0	-384.0	10,104.3	0.00	0.00	0.00
21,400.0	89.80	359.50	11,303.6	10,197.0	-384.9	10,204.3	0.00	0.00	0.00
21,500.0	89.80	359.50	11,303.9	10,297.0	-385.8	10,304.2	0.00	0.00	0.00
21,523.0	89.80	359.50	11,304.0	10,320.0	-386.0	10,327.2	0.00	0.00	0.00

BHL: 100' FNL & 600' FEL (10)

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SL: 140' FSL & 305' FEL - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	473,175.00	814,157.00	32.2977438	-103.4503864
KOP: 10' FSL & 600' FE - plan hits target center - Point	0.00	0.00	10,792.5	-132.0	-294.0	473,043.00	813,863.00	32.2973876	-103.4513413
FTP: 100' FSL & 600' FE - plan hits target center - Point	0.00	0.00	11,071.5	-42.0	-294.8	473,133.00	813,862.21	32.2976350	-103.4513415
LP: 484' FSL & 600' FEL - plan hits target center - Point	0.00	0.00	11,270.0	343.8	-298.2	473,518.80	813,858.80	32.2986955	-103.4513422
PPP2: 2640' FNL & 600' - plan hits target center - Point	0.00	0.00	11,277.3	2,498.0	-317.1	475,673.00	813,839.85	32.3046168	-103.4513462
PPP3: 0' FSL & 600' FE - plan hits target center - Point	0.00	0.00	11,286.8	5,281.0	-341.6	478,456.00	813,815.35	32.3122665	-103.4513514
PPP4: 1320' FSL & 600' - plan hits target center - Point	0.00	0.00	11,291.3	6,602.0	-353.3	479,777.00	813,803.72	32.3158976	-103.4513538
BHL: 100' FNL & 600' FE - plan hits target center - Point	0.00	0.00	11,304.0	10,320.0	-386.0	483,495.00	813,771.00	32.3261174	-103.4513607

Ibex 15/10 B3PA Fed Com #1H



Mewbourne Oil Company

Eddy County, New Mexico NAD 83

Ibex 15/10 B1PA Fed Com #2H

Sec 15, T23S, R34E

SHL: 140' FSL & 275' FEL, Sec 15

BHL: 100' FNL & 450' FEL, Sec 10

Plan: Design #1

Standard Planning Report

19 August, 2019

ATTACHMENT 

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3439.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3439.0usft (Original Well Elev)
Site:	Ibex 15/10 B1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 450' FEL, Sec 10		
Design:	Design #1		

Project	Eddy County, New Mexico NAD 83		
Map System:	US State Plane 1983	System Datum:	Ground Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Ibex 15/10 B1PA Fed Com #2H		
Site Position:		Northing:	473,175.00 usft
From:	Map	Easting:	814,187.00 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32.2977431
		Longitude:	-103.4502893
		Grid Convergence:	0.47 °

Well	Sec 15, T23S, R34E		
Well Position	+N-S	0.0 usft	Northing:
	+E-W	0.0 usft	Easting:
Position Uncertainty	0.0 usft	Wellhead Elevation:	3,439.0 usft
		Latitude:	32.2977431
		Longitude:	-103.4502893
		Ground Level:	3,412.0 usft

Wellbore	BHL: 100' FNL & 450' FEL, Sec 10		
Magnetics	Model Name	Sample Date	Declination
	User Defined	8/16/2019	0.00
			Dip Angle
			0.00
			Field Strength
			0

Design	Design #1		
Audit Notes:			
Version:	Phase:	PROTOTYPE	Tie On Depth:
			0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W
	(usft)	(usft)	(usft)
	3,439.0	0.0	0.0
			Direction
			358.52

Plan Sections										
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	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	
1,200.0	0.00	0.00	1,200.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,305.1	1.58	233.24	1,305.1	-0.9	-1.2	1.50	1.50	0.00	233.24	
9,094.4	1.58	233.24	9,091.4	-129.1	-172.8	0.00	0.00	0.00	0.00	
9,199.5	0.00	0.00	9,196.5	-130.0	-174.0	1.50	-1.50	0.00	180.00	KOP: 10' FSL & 450' I
9,949.0	89.94	359.50	9,674.0	347.0	-178.2	12.00	12.00	0.00	-0.50	
19,923.5	89.94	359.50	9,684.0	10,321.0	-266.0	0.00	0.00	0.00	0.00	BHL: 100' FNL & 450'

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3439.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3439.0usft (Original Well Elev)
Site:	Ibex 15/10 B1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 450' FEL, Sec 10		
Design:	Design #1		

Planned Survey									
Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
0.0	0.00	0.00	0.0	0.0	0.0	0.0	0.00	0.00	0.00
SL: 140' FSL & 275' FEL (15)									
100.0	0.00	0.00	100.0	0.0	0.0	0.0	0.00	0.00	0.00
200.0	0.00	0.00	200.0	0.0	0.0	0.0	0.00	0.00	0.00
300.0	0.00	0.00	300.0	0.0	0.0	0.0	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	0.00	0.00	500.0	0.0	0.0	0.0	0.00	0.00	0.00
600.0	0.00	0.00	600.0	0.0	0.0	0.0	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	0.00	0.00	800.0	0.0	0.0	0.0	0.00	0.00	0.00
900.0	0.00	0.00	900.0	0.0	0.0	0.0	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	0.00	0.00	1,200.0	0.0	0.0	0.0	0.00	0.00	0.00
1,300.0	1.50	233.24	1,300.0	-0.8	-1.0	-0.8	1.50	1.50	0.00
1,305.1	1.58	233.24	1,305.1	-0.9	-1.2	-0.8	1.50	1.50	0.00
1,400.0	1.58	233.24	1,400.0	-2.4	-3.2	-2.3	0.00	0.00	0.00
1,500.0	1.58	233.24	1,499.9	-4.1	-5.5	-3.9	0.00	0.00	0.00
1,600.0	1.58	233.24	1,599.9	-5.7	-7.7	-5.5	0.00	0.00	0.00
1,700.0	1.58	233.24	1,699.8	-7.4	-9.9	-7.1	0.00	0.00	0.00
1,800.0	1.58	233.24	1,799.8	-9.0	-12.1	-8.7	0.00	0.00	0.00
1,900.0	1.58	233.24	1,899.8	-10.7	-14.3	-10.3	0.00	0.00	0.00
2,000.0	1.58	233.24	1,999.7	-12.3	-16.5	-11.9	0.00	0.00	0.00
2,100.0	1.58	233.24	2,099.7	-14.0	-18.7	-13.5	0.00	0.00	0.00
2,200.0	1.58	233.24	2,199.6	-15.6	-20.9	-15.1	0.00	0.00	0.00
2,300.0	1.58	233.24	2,299.6	-17.2	-23.1	-16.6	0.00	0.00	0.00
2,400.0	1.58	233.24	2,399.6	-18.9	-25.3	-18.2	0.00	0.00	0.00
2,500.0	1.58	233.24	2,499.5	-20.5	-27.5	-19.8	0.00	0.00	0.00
2,600.0	1.58	233.24	2,599.5	-22.2	-29.7	-21.4	0.00	0.00	0.00
2,700.0	1.58	233.24	2,699.5	-23.8	-31.9	-23.0	0.00	0.00	0.00
2,800.0	1.58	233.24	2,799.4	-25.5	-34.1	-24.6	0.00	0.00	0.00
2,900.0	1.58	233.24	2,899.4	-27.1	-36.3	-26.2	0.00	0.00	0.00
3,000.0	1.58	233.24	2,999.3	-28.8	-38.5	-27.8	0.00	0.00	0.00
3,100.0	1.58	233.24	3,099.3	-30.4	-40.7	-29.4	0.00	0.00	0.00
3,200.0	1.58	233.24	3,199.3	-32.1	-42.9	-31.0	0.00	0.00	0.00
3,300.0	1.58	233.24	3,299.2	-33.7	-45.1	-32.5	0.00	0.00	0.00
3,400.0	1.58	233.24	3,399.2	-35.4	-47.3	-34.1	0.00	0.00	0.00
3,500.0	1.58	233.24	3,499.2	-37.0	-49.5	-35.7	0.00	0.00	0.00
3,600.0	1.58	233.24	3,599.1	-38.7	-51.7	-37.3	0.00	0.00	0.00
3,700.0	1.58	233.24	3,699.1	-40.3	-53.9	-38.9	0.00	0.00	0.00
3,800.0	1.58	233.24	3,799.0	-41.9	-56.1	-40.5	0.00	0.00	0.00
3,900.0	1.58	233.24	3,899.0	-43.6	-58.4	-42.1	0.00	0.00	0.00
4,000.0	1.58	233.24	3,999.0	-45.2	-60.6	-43.7	0.00	0.00	0.00
4,100.0	1.58	233.24	4,098.9	-46.9	-62.8	-45.3	0.00	0.00	0.00
4,200.0	1.58	233.24	4,198.9	-48.5	-65.0	-46.8	0.00	0.00	0.00
4,300.0	1.58	233.24	4,298.9	-50.2	-67.2	-48.4	0.00	0.00	0.00
4,400.0	1.58	233.24	4,398.8	-51.8	-69.4	-50.0	0.00	0.00	0.00
4,500.0	1.58	233.24	4,498.8	-53.5	-71.6	-51.6	0.00	0.00	0.00
4,600.0	1.58	233.24	4,598.7	-55.1	-73.8	-53.2	0.00	0.00	0.00
4,700.0	1.58	233.24	4,698.7	-56.8	-76.0	-54.8	0.00	0.00	0.00
4,800.0	1.58	233.24	4,798.7	-58.4	-78.2	-56.4	0.00	0.00	0.00
4,900.0	1.58	233.24	4,898.6	-60.1	-80.4	-58.0	0.00	0.00	0.00
5,000.0	1.58	233.24	4,998.6	-61.7	-82.6	-59.6	0.00	0.00	0.00
5,100.0	1.58	233.24	5,098.6	-63.4	-84.8	-61.2	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3439.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3439.0usft (Original Well Elev)
Site:	Ibex 15/10 B1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 450' FEL, Sec 10		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,200.0	1.58	233.24	5,198.5	-65.0	-87.0	-62.7	0.00	0.00	0.00
5,300.0	1.58	233.24	5,298.5	-66.7	-89.2	-64.3	0.00	0.00	0.00
5,400.0	1.58	233.24	5,398.4	-68.3	-91.4	-65.9	0.00	0.00	0.00
5,500.0	1.58	233.24	5,498.4	-69.9	-93.6	-67.5	0.00	0.00	0.00
5,600.0	1.58	233.24	5,598.4	-71.6	-95.8	-69.1	0.00	0.00	0.00
5,700.0	1.58	233.24	5,698.3	-73.2	-98.0	-70.7	0.00	0.00	0.00
5,800.0	1.58	233.24	5,798.3	-74.9	-100.2	-72.3	0.00	0.00	0.00
5,900.0	1.58	233.24	5,898.2	-76.5	-102.4	-73.9	0.00	0.00	0.00
6,000.0	1.58	233.24	5,998.2	-78.2	-104.6	-75.5	0.00	0.00	0.00
6,100.0	1.58	233.24	6,098.2	-79.8	-106.8	-77.0	0.00	0.00	0.00
6,200.0	1.58	233.24	6,198.1	-81.5	-109.0	-78.6	0.00	0.00	0.00
6,300.0	1.58	233.24	6,298.1	-83.1	-111.3	-80.2	0.00	0.00	0.00
6,400.0	1.58	233.24	6,398.1	-84.8	-113.5	-81.8	0.00	0.00	0.00
6,500.0	1.58	233.24	6,498.0	-86.4	-115.7	-83.4	0.00	0.00	0.00
6,600.0	1.58	233.24	6,598.0	-88.1	-117.9	-85.0	0.00	0.00	0.00
6,700.0	1.58	233.24	6,697.9	-89.7	-120.1	-86.6	0.00	0.00	0.00
6,800.0	1.58	233.24	6,797.9	-91.4	-122.3	-88.2	0.00	0.00	0.00
6,900.0	1.58	233.24	6,897.9	-93.0	-124.5	-89.8	0.00	0.00	0.00
7,000.0	1.58	233.24	6,997.8	-94.6	-126.7	-91.4	0.00	0.00	0.00
7,100.0	1.58	233.24	7,097.8	-96.3	-128.9	-92.9	0.00	0.00	0.00
7,200.0	1.58	233.24	7,197.8	-97.9	-131.1	-94.5	0.00	0.00	0.00
7,300.0	1.58	233.24	7,297.7	-99.6	-133.3	-96.1	0.00	0.00	0.00
7,400.0	1.58	233.24	7,397.7	-101.2	-135.5	-97.7	0.00	0.00	0.00
7,500.0	1.58	233.24	7,497.6	-102.9	-137.7	-99.3	0.00	0.00	0.00
7,600.0	1.58	233.24	7,597.6	-104.5	-139.9	-100.9	0.00	0.00	0.00
7,700.0	1.58	233.24	7,697.6	-106.2	-142.1	-102.5	0.00	0.00	0.00
7,800.0	1.58	233.24	7,797.5	-107.8	-144.3	-104.1	0.00	0.00	0.00
7,900.0	1.58	233.24	7,897.5	-109.5	-146.5	-105.7	0.00	0.00	0.00
8,000.0	1.58	233.24	7,997.5	-111.1	-148.7	-107.2	0.00	0.00	0.00
8,100.0	1.58	233.24	8,097.4	-112.8	-150.9	-108.8	0.00	0.00	0.00
8,200.0	1.58	233.24	8,197.4	-114.4	-153.1	-110.4	0.00	0.00	0.00
8,300.0	1.58	233.24	8,297.3	-116.1	-155.3	-112.0	0.00	0.00	0.00
8,400.0	1.58	233.24	8,397.3	-117.7	-157.5	-113.6	0.00	0.00	0.00
8,500.0	1.58	233.24	8,497.3	-119.3	-159.7	-115.2	0.00	0.00	0.00
8,600.0	1.58	233.24	8,597.2	-121.0	-161.9	-116.8	0.00	0.00	0.00
8,700.0	1.58	233.24	8,697.2	-122.6	-164.1	-118.4	0.00	0.00	0.00
8,800.0	1.58	233.24	8,797.1	-124.3	-166.4	-120.0	0.00	0.00	0.00
8,900.0	1.58	233.24	8,897.1	-125.9	-168.6	-121.5	0.00	0.00	0.00
9,000.0	1.58	233.24	8,997.1	-127.6	-170.8	-123.1	0.00	0.00	0.00
9,094.4	1.58	233.24	9,091.4	-129.1	-172.8	-124.6	0.00	0.00	0.00
9,100.0	1.49	233.24	9,097.0	-129.2	-173.0	-124.7	1.50	-1.50	0.00
9,199.5	0.00	0.00	9,196.5	-130.0	-174.0	-125.5	1.50	-1.50	0.00
KOP: 10' FSL & 450' FEL (15')									
9,200.0	0.06	359.50	9,197.0	-130.0	-174.0	-125.5	12.00	12.00	0.00
9,300.0	12.06	359.50	9,296.3	-119.5	-174.1	-114.9	12.00	12.00	0.00
9,400.0	24.06	359.50	9,391.2	-88.5	-174.4	-84.0	12.00	12.00	0.00
9,497.5	35.76	359.50	9,475.6	-40.0	-174.8	-35.5	12.00	12.00	0.00
FTP: 100' FSL & 450' FEL (15)									
9,500.0	36.06	359.50	9,477.6	-38.5	-174.8	-34.0	12.00	12.00	0.00
9,600.0	48.06	359.50	9,551.7	28.3	-175.4	32.8	12.00	12.00	0.00
9,700.0	60.06	359.50	9,610.3	109.1	-176.1	113.6	12.00	12.00	0.00
9,800.0	72.06	359.50	9,650.8	200.4	-176.9	204.9	12.00	12.00	0.00
9,900.0	84.06	359.50	9,671.4	298.0	-177.8	302.5	12.00	12.00	0.00
9,949.1	89.94	359.50	9,674.0	347.0	-178.2	351.5	11.99	11.99	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3439.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3439.0usft (Original Well Elev)
Site:	Ibex 15/10 B1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 450' FEL, Sec 10		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
LP: 487' FSL & 450' FEL (15)									
10,000.0	89.94	359.50	9,674.1	397.9	-178.6	402.4	0.00	0.00	0.00
10,100.0	89.94	359.50	9,674.2	497.9	-179.5	502.4	0.00	0.00	0.00
10,200.0	89.94	359.50	9,674.3	597.9	-180.4	602.4	0.00	0.00	0.00
10,300.0	89.94	359.50	9,674.4	697.9	-181.3	702.4	0.00	0.00	0.00
10,400.0	89.94	359.50	9,674.5	797.9	-182.2	802.3	0.00	0.00	0.00
10,500.0	89.94	359.50	9,674.6	897.9	-183.0	902.3	0.00	0.00	0.00
10,600.0	89.94	359.50	9,674.7	997.9	-183.9	1,002.3	0.00	0.00	0.00
10,700.0	89.94	359.50	9,674.8	1,097.9	-184.8	1,102.3	0.00	0.00	0.00
10,800.0	89.94	359.50	9,674.9	1,197.9	-185.7	1,202.3	0.00	0.00	0.00
10,900.0	89.94	359.50	9,675.0	1,297.9	-186.6	1,302.3	0.00	0.00	0.00
11,000.0	89.94	359.50	9,675.1	1,397.9	-187.5	1,402.3	0.00	0.00	0.00
11,100.0	89.94	359.50	9,675.2	1,497.9	-188.3	1,502.2	0.00	0.00	0.00
11,200.0	89.94	359.50	9,675.3	1,597.9	-189.2	1,602.2	0.00	0.00	0.00
11,300.0	89.94	359.50	9,675.4	1,697.9	-190.1	1,702.2	0.00	0.00	0.00
11,400.0	89.94	359.50	9,675.5	1,797.9	-191.0	1,802.2	0.00	0.00	0.00
11,500.0	89.94	359.50	9,675.6	1,897.9	-191.9	1,902.2	0.00	0.00	0.00
11,600.0	89.94	359.50	9,675.7	1,997.9	-192.7	2,002.2	0.00	0.00	0.00
11,700.0	89.94	359.50	9,675.8	2,097.9	-193.6	2,102.2	0.00	0.00	0.00
11,800.0	89.94	359.50	9,675.9	2,197.9	-194.5	2,202.1	0.00	0.00	0.00
11,900.0	89.94	359.50	9,676.0	2,297.9	-195.4	2,302.1	0.00	0.00	0.00
12,000.0	89.94	359.50	9,676.1	2,397.9	-196.3	2,402.1	0.00	0.00	0.00
12,099.2	89.94	359.50	9,676.2	2,497.0	-197.1	2,501.2	0.00	0.00	0.00
PPP2: 2640' FNL & 450' FEL (15)									
12,100.0	89.94	359.50	9,676.2	2,497.8	-197.1	2,502.1	0.00	0.00	0.00
12,200.0	89.94	359.50	9,676.3	2,597.8	-198.0	2,602.1	0.00	0.00	0.00
12,300.0	89.94	359.50	9,676.4	2,697.8	-198.9	2,702.1	0.00	0.00	0.00
12,400.0	89.94	359.50	9,676.5	2,797.8	-199.8	2,802.1	0.00	0.00	0.00
12,500.0	89.94	359.50	9,676.6	2,897.8	-200.7	2,902.0	0.00	0.00	0.00
12,600.0	89.94	359.50	9,676.7	2,997.8	-201.5	3,002.0	0.00	0.00	0.00
12,700.0	89.94	359.50	9,676.8	3,097.8	-202.4	3,102.0	0.00	0.00	0.00
12,800.0	89.94	359.50	9,676.9	3,197.8	-203.3	3,202.0	0.00	0.00	0.00
12,900.0	89.94	359.50	9,677.0	3,297.8	-204.2	3,302.0	0.00	0.00	0.00
13,000.0	89.94	359.50	9,677.1	3,397.8	-205.1	3,402.0	0.00	0.00	0.00
13,100.0	89.94	359.50	9,677.2	3,497.8	-205.9	3,502.0	0.00	0.00	0.00
13,200.0	89.94	359.50	9,677.3	3,597.8	-206.8	3,601.9	0.00	0.00	0.00
13,300.0	89.94	359.50	9,677.4	3,697.8	-207.7	3,701.9	0.00	0.00	0.00
13,400.0	89.94	359.50	9,677.5	3,797.8	-208.6	3,801.9	0.00	0.00	0.00
13,500.0	89.94	359.50	9,677.6	3,897.8	-209.5	3,901.9	0.00	0.00	0.00
13,600.0	89.94	359.50	9,677.7	3,997.8	-210.3	4,001.9	0.00	0.00	0.00
13,700.0	89.94	359.50	9,677.8	4,097.8	-211.2	4,101.9	0.00	0.00	0.00
13,800.0	89.94	359.50	9,677.9	4,197.8	-212.1	4,201.9	0.00	0.00	0.00
13,900.0	89.94	359.50	9,678.0	4,297.8	-213.0	4,301.8	0.00	0.00	0.00
14,000.0	89.94	359.50	9,678.1	4,397.8	-213.9	4,401.8	0.00	0.00	0.00
14,100.0	89.94	359.50	9,678.2	4,497.8	-214.7	4,501.8	0.00	0.00	0.00
14,200.0	89.94	359.50	9,678.3	4,597.8	-215.6	4,601.8	0.00	0.00	0.00
14,300.0	89.94	359.50	9,678.4	4,697.8	-216.5	4,701.8	0.00	0.00	0.00
14,400.0	89.94	359.50	9,678.5	4,797.8	-217.4	4,801.8	0.00	0.00	0.00
14,500.0	89.94	359.50	9,678.6	4,897.8	-218.3	4,901.8	0.00	0.00	0.00
14,600.0	89.94	359.50	9,678.7	4,997.8	-219.1	5,001.7	0.00	0.00	0.00
14,700.0	89.94	359.50	9,678.8	5,097.7	-220.0	5,101.7	0.00	0.00	0.00
14,751.3	89.94	359.50	9,678.8	5,149.0	-220.5	5,153.0	0.00	0.00	0.00
PPP3: 0' FSL & 450' FEL (10)									

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3439.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3439.0usft (Original Well Elev)
Site:	Ibex 15/10 B1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 450' FEL, Sec 10		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
14,800.0	89.94	359.50	9,678.9	5,197.7	-220.9	5,201.7	0.00	0.00	0.00
14,900.0	89.94	359.50	9,679.0	5,297.7	-221.8	5,301.7	0.00	0.00	0.00
15,000.0	89.94	359.50	9,679.1	5,397.7	-222.7	5,401.7	0.00	0.00	0.00
15,100.0	89.94	359.50	9,679.2	5,497.7	-223.5	5,501.7	0.00	0.00	0.00
15,200.0	89.94	359.50	9,679.3	5,597.7	-224.4	5,601.7	0.00	0.00	0.00
15,300.0	89.94	359.50	9,679.4	5,697.7	-225.3	5,701.6	0.00	0.00	0.00
15,400.0	89.94	359.50	9,679.5	5,797.7	-226.2	5,801.6	0.00	0.00	0.00
15,500.0	89.94	359.50	9,679.6	5,897.7	-227.1	5,901.6	0.00	0.00	0.00
15,600.0	89.94	359.50	9,679.7	5,997.7	-227.9	6,001.6	0.00	0.00	0.00
15,700.0	89.94	359.50	9,679.8	6,097.7	-228.8	6,101.6	0.00	0.00	0.00
15,800.0	89.94	359.50	9,679.9	6,197.7	-229.7	6,201.6	0.00	0.00	0.00
15,900.0	89.94	359.50	9,680.0	6,297.7	-230.6	6,301.6	0.00	0.00	0.00
16,000.0	89.94	359.50	9,680.1	6,397.7	-231.5	6,401.5	0.00	0.00	0.00
16,072.3	89.94	359.50	9,680.1	6,470.0	-232.1	6,473.8	0.00	0.00	0.00
PPP4: 1320' FSL & 450' FEL (10)									
16,100.0	89.94	359.50	9,680.2	6,497.7	-232.3	6,501.5	0.00	0.00	0.00
16,200.0	89.94	359.50	9,680.3	6,597.7	-233.2	6,601.5	0.00	0.00	0.00
16,300.0	89.94	359.50	9,680.4	6,697.7	-234.1	6,701.5	0.00	0.00	0.00
16,400.0	89.94	359.50	9,680.5	6,797.7	-235.0	6,801.5	0.00	0.00	0.00
16,500.0	89.94	359.50	9,680.6	6,897.7	-235.9	6,901.5	0.00	0.00	0.00
16,600.0	89.94	359.50	9,680.7	6,997.7	-236.7	7,001.4	0.00	0.00	0.00
16,700.0	89.94	359.50	9,680.8	7,097.7	-237.6	7,101.4	0.00	0.00	0.00
16,800.0	89.94	359.50	9,680.9	7,197.7	-238.5	7,201.4	0.00	0.00	0.00
16,900.0	89.94	359.50	9,681.0	7,297.7	-239.4	7,301.4	0.00	0.00	0.00
17,000.0	89.94	359.50	9,681.1	7,397.7	-240.3	7,401.4	0.00	0.00	0.00
17,100.0	89.94	359.50	9,681.2	7,497.7	-241.1	7,501.4	0.00	0.00	0.00
17,200.0	89.94	359.50	9,681.3	7,597.6	-242.0	7,601.4	0.00	0.00	0.00
17,300.0	89.94	359.50	9,681.4	7,697.6	-242.9	7,701.3	0.00	0.00	0.00
17,400.0	89.94	359.50	9,681.5	7,797.6	-243.8	7,801.3	0.00	0.00	0.00
17,500.0	89.94	359.50	9,681.6	7,897.6	-244.7	7,901.3	0.00	0.00	0.00
17,600.0	89.94	359.50	9,681.7	7,997.6	-245.5	8,001.3	0.00	0.00	0.00
17,700.0	89.94	359.50	9,681.8	8,097.6	-246.4	8,101.3	0.00	0.00	0.00
17,800.0	89.94	359.50	9,681.9	8,197.6	-247.3	8,201.3	0.00	0.00	0.00
17,900.0	89.94	359.50	9,682.0	8,297.6	-248.2	8,301.3	0.00	0.00	0.00
18,000.0	89.94	359.50	9,682.1	8,397.6	-249.1	8,401.2	0.00	0.00	0.00
18,100.0	89.94	359.50	9,682.2	8,497.6	-249.9	8,501.2	0.00	0.00	0.00
18,200.0	89.94	359.50	9,682.3	8,597.6	-250.8	8,601.2	0.00	0.00	0.00
18,300.0	89.94	359.50	9,682.4	8,697.6	-251.7	8,701.2	0.00	0.00	0.00
18,400.0	89.94	359.50	9,682.5	8,797.6	-252.6	8,801.2	0.00	0.00	0.00
18,500.0	89.94	359.50	9,682.6	8,897.6	-253.5	8,901.2	0.00	0.00	0.00
18,600.0	89.94	359.50	9,682.7	8,997.6	-254.4	9,001.2	0.00	0.00	0.00
18,700.0	89.94	359.50	9,682.8	9,097.6	-255.2	9,101.1	0.00	0.00	0.00
18,800.0	89.94	359.50	9,682.9	9,197.6	-256.1	9,201.1	0.00	0.00	0.00
18,900.0	89.94	359.50	9,683.0	9,297.6	-257.0	9,301.1	0.00	0.00	0.00
19,000.0	89.94	359.50	9,683.1	9,397.6	-257.9	9,401.1	0.00	0.00	0.00
19,100.0	89.94	359.50	9,683.2	9,497.6	-258.8	9,501.1	0.00	0.00	0.00
19,200.0	89.94	359.50	9,683.3	9,597.6	-259.6	9,601.1	0.00	0.00	0.00
19,300.0	89.94	359.50	9,683.4	9,697.6	-260.5	9,701.1	0.00	0.00	0.00
19,400.0	89.94	359.50	9,683.5	9,797.6	-261.4	9,801.0	0.00	0.00	0.00
19,500.0	89.94	359.50	9,683.6	9,897.6	-262.3	9,901.0	0.00	0.00	0.00
19,600.0	89.94	359.50	9,683.7	9,997.6	-263.2	10,001.0	0.00	0.00	0.00
19,700.0	89.94	359.50	9,683.8	10,097.6	-264.0	10,101.0	0.00	0.00	0.00
19,800.0	89.94	359.50	9,683.9	10,197.5	-264.9	10,201.0	0.00	0.00	0.00
19,900.0	89.94	359.50	9,684.0	10,297.5	-265.8	10,301.0	0.00	0.00	0.00

Planning Report

Database:	Hobbs	Local Co-ordinate Reference:	Site Ibex 15/10 B1PA Fed Com #2H
Company:	Mewbourne Oil Company	TVD Reference:	WELL @ 3439.0usft (Original Well Elev)
Project:	Eddy County, New Mexico NAD 83	MD Reference:	WELL @ 3439.0usft (Original Well Elev)
Site:	Ibex 15/10 B1PA Fed Com #2H	North Reference:	Grid
Well:	Sec 15, T23S, R34E	Survey Calculation Method:	Minimum Curvature
Wellbore:	BHL: 100' FNL & 450' FEL, Sec 10		
Design:	Design #1		

Planned Survey

Measured Depth (usft)	Inclination (°)	Azimuth (°)	Vertical Depth (usft)	+N/-S (usft)	+E/-W (usft)	Vertical Section (usft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
19,923.5	89.94	359.50	9,684.0	10,321.0	-266.0	10,324.4	0.00	0.00	0.00
BHL: 100' FNL & 450' FEL (10)									

Design Targets

Target Name - hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SL: 140' FSL & 275' FEL - plan hits target center - Point	0.00	0.00	0.0	0.0	0.0	473,175.00	814,187.00	32.2977431	-103.4502893
KOP: 10' FSL & 450' FE - plan hits target center - Point	0.00	0.00	9,196.5	-130.0	-174.0	473,045.00	814,013.00	32.2973897	-103.4508559
FTP: 100' FSL & 450' FE - plan hits target center - Point	0.00	0.00	9,475.5	-40.0	-174.8	473,135.00	814,012.21	32.2976371	-103.4508560
LP: 487' FSL & 450' FEL - plan hits target center - Point	0.00	0.00	9,674.0	347.0	-178.2	473,522.00	814,008.80	32.2987009	-103.4508567
PPP2: 2640' FNL & 450' - plan hits target center - Point	0.00	0.00	9,676.2	2,497.0	-197.1	475,672.00	813,989.87	32.3046107	-103.4508607
PPP3: 0' FSL & 450' FE - plan hits target center - Point	0.00	0.00	9,678.8	5,149.0	-220.5	478,324.00	813,966.53	32.3119003	-103.4508656
PPP4: 1320' FSL & 450' - plan hits target center - Point	0.00	0.00	9,680.1	6,470.0	-232.1	479,645.00	813,954.90	32.3155314	-103.4508681
BHL: 100' FNL & 450' FE - plan hits target center - Point	0.00	0.00	9,684.0	10,321.0	-266.0	483,496.00	813,921.00	32.3261168	-103.4508751

Ibex 15/10 B1PA Fed Com #2H

