

District I
1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0730
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 30-015-42821	² Pool Code 10380	³ Pool Name Cass Draw; Bone Spring
⁴ Property Code 34568	⁵ Property Name GRANDI 22	⁶ Well Number 2H
⁷ OGRID No. 6137	⁸ Operator Name DEVON ENERGY PRODUCTION COMPANY, L.P.	⁹ Elevation 3109.1

¹⁰ Surface Location

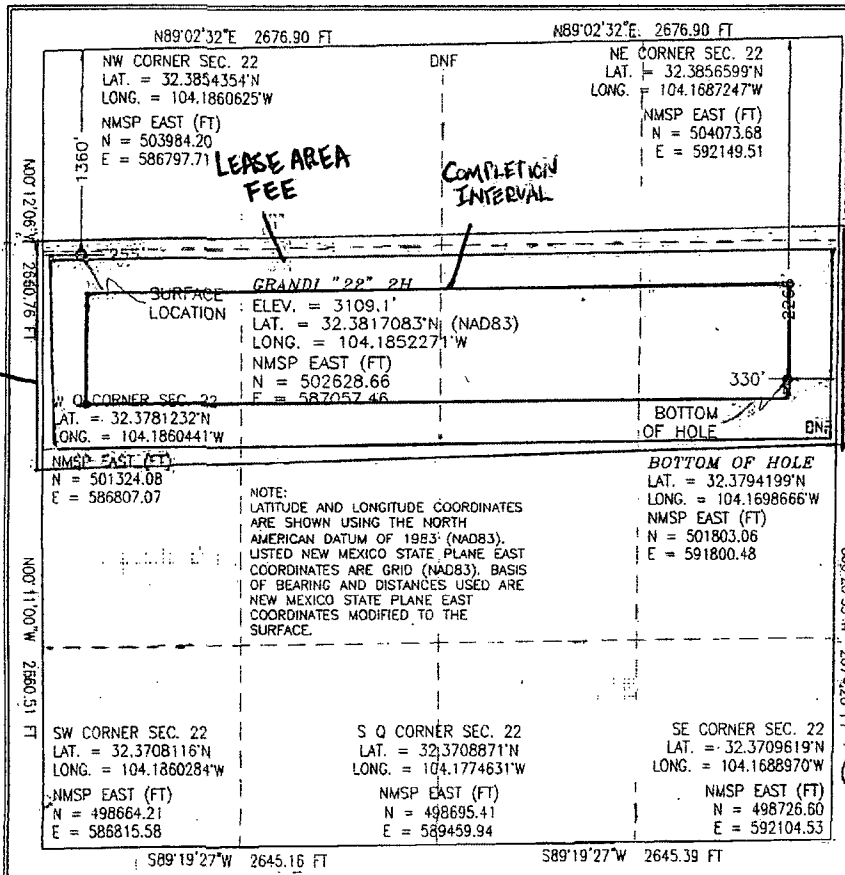
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
E	22	22 S	27 E		1360	NORTH	255	WEST	EDDY

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
H	22	22 S	27 E		2265	NORTH	330	EAST	EDDY

¹² Dedicated Acres 160	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



¹⁶ 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.

Linda Good 12/2/2014
Signature Date

Linda Good

Printed Name

linda.good@dvn.com

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.

NOVEMBER 5, 2014 2797

Date of Survey

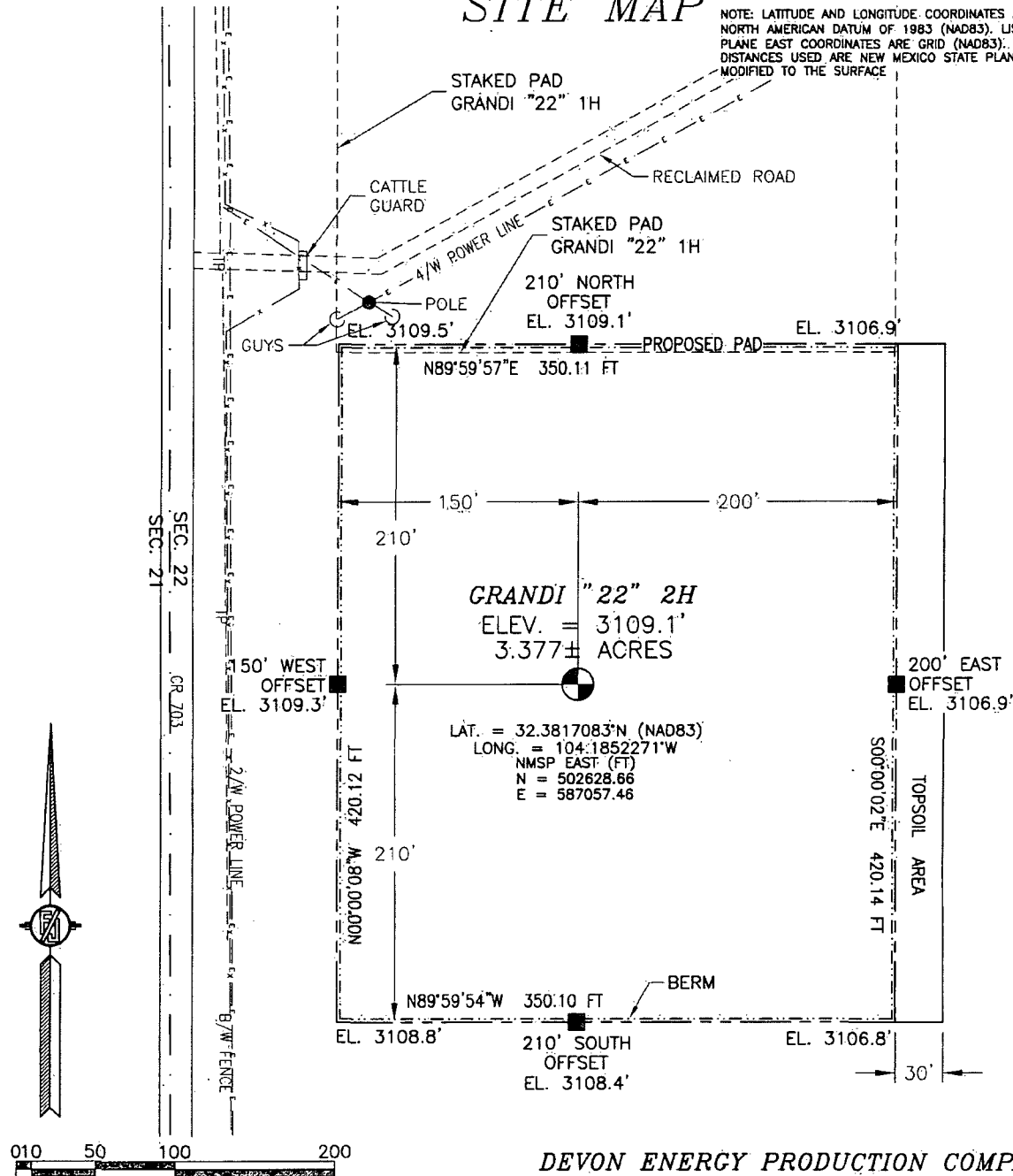
[Signature]
Signature and Seal of Professional Surveyor

Certificate Number *FILED IN E-JARACILLO, PLS 12797*
SURVEY NO. 3456A

SECTION 22, TOWNSHIP 22 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

SITE MAP

NOTE: LATITUDE AND LONGITUDE COORDINATES ARE SHOWN USING THE NORTH AMERICAN DATUM OF 1983 (NAD83). LISTED NEW MEXICO STATE PLANE EAST COORDINATES ARE GRID (NAD83). BASIS OF BEARING AND DISTANCES USED ARE NEW MEXICO STATE PLANE EAST COORDINATES MODIFIED TO THE SURFACE



DEVON ENERGY PRODUCTION COMPANY, L.P.

GRANDI "22" 2H

LOCATED 1360 FT. FROM THE NORTH LINE
AND 255 FT. FROM THE WEST LINE OF

SECTION 22, TOWNSHIP 22 SOUTH,

RANGE 27 EAST, N.M.P.M.

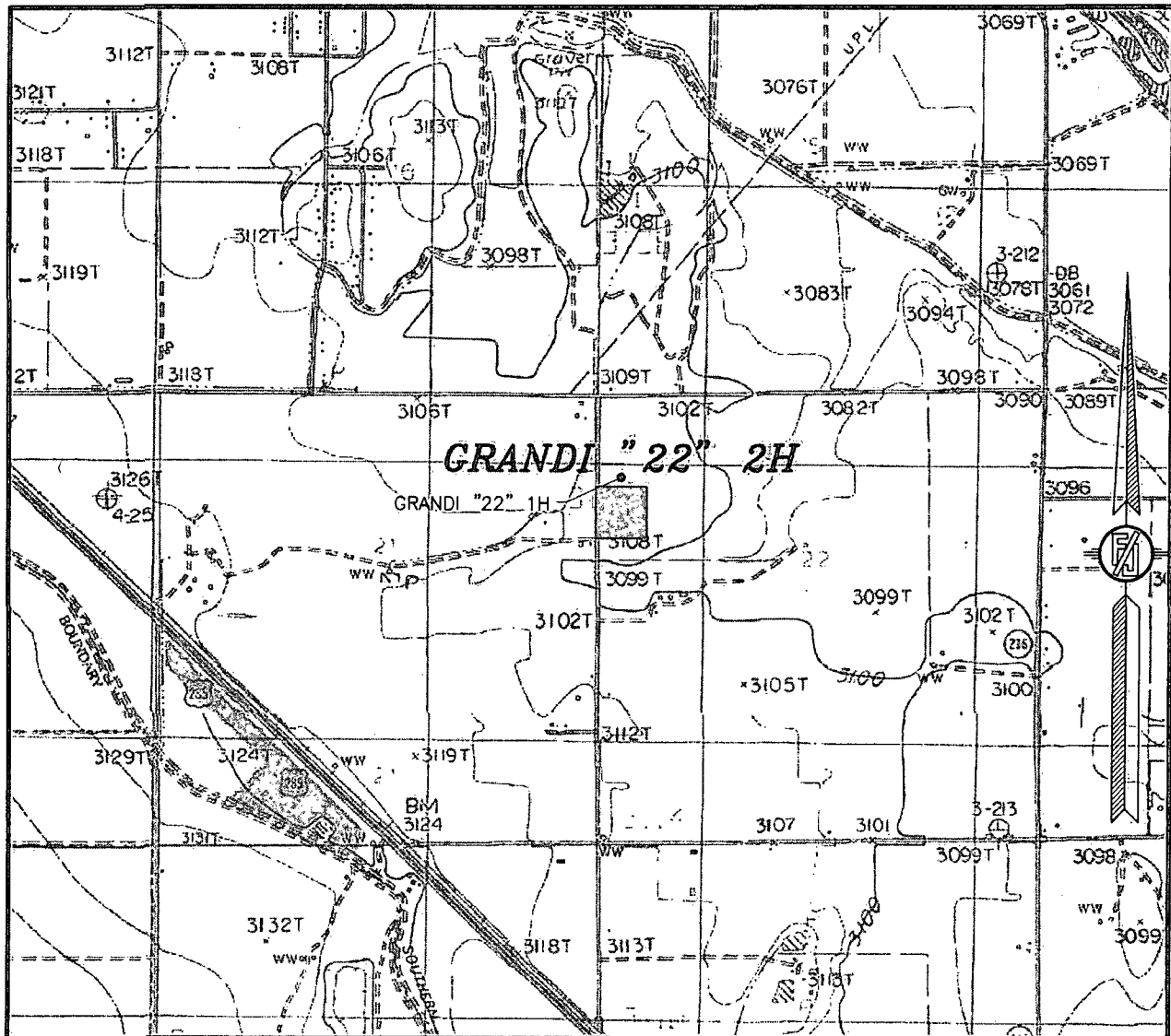
EDDY COUNTY, STATE OF NEW MEXICO

NOVEMBER 5, 2014

SURVEY NO. 3456A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 22, TOWNSHIP 22 SOUTH, RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 LOCATION VERIFICATION MAP



USGS QUAD MAP:
 CARLSBAD EAST

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

GRANDI "22" 2H

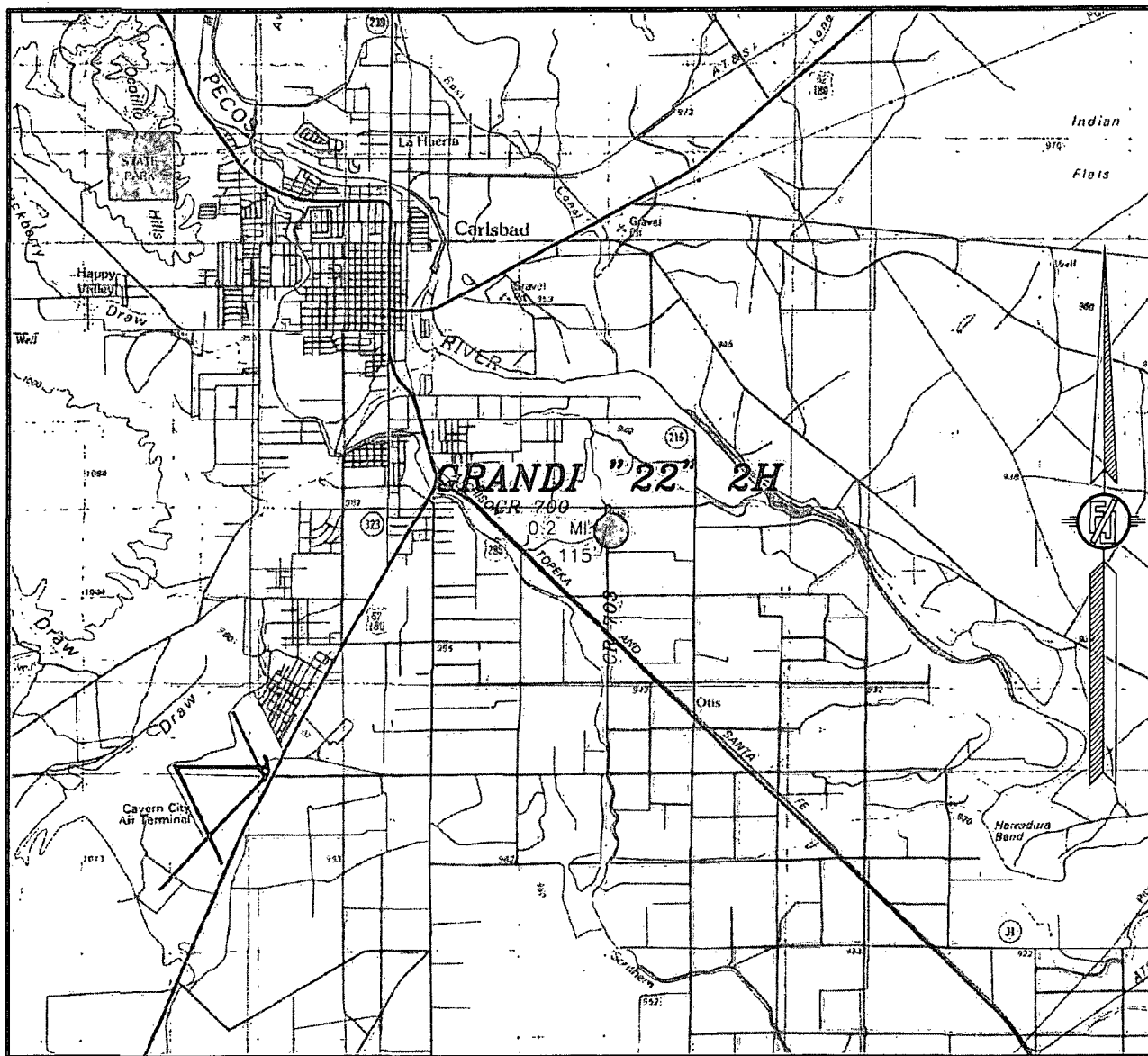
LOCATED 1360 FT. FROM THE NORTH LINE
 AND 255 FT. FROM THE WEST LINE OF
 SECTION 22, TOWNSHIP 22 SOUTH,
 RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

NOVEMBER 5, 2014

SURVEY NO. 3456A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 22, TOWNSHIP 22 SOUTH, RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO
VICINITY MAP



DISTANCES IN MILES

NOT TO SCALE

DEVON ENERGY PRODUCTION COMPANY, L.P.

GRANDI "22" 2H

LOCATED 1360 FT. FROM THE NORTH LINE
AND 255 FT. FROM THE WEST LINE OF
SECTION 22, TOWNSHIP 22 SOUTH,
RANGE 27 EAST, N.M.P.M.
EDDY COUNTY, STATE OF NEW MEXICO

DIRECTIONS TO LOCATION

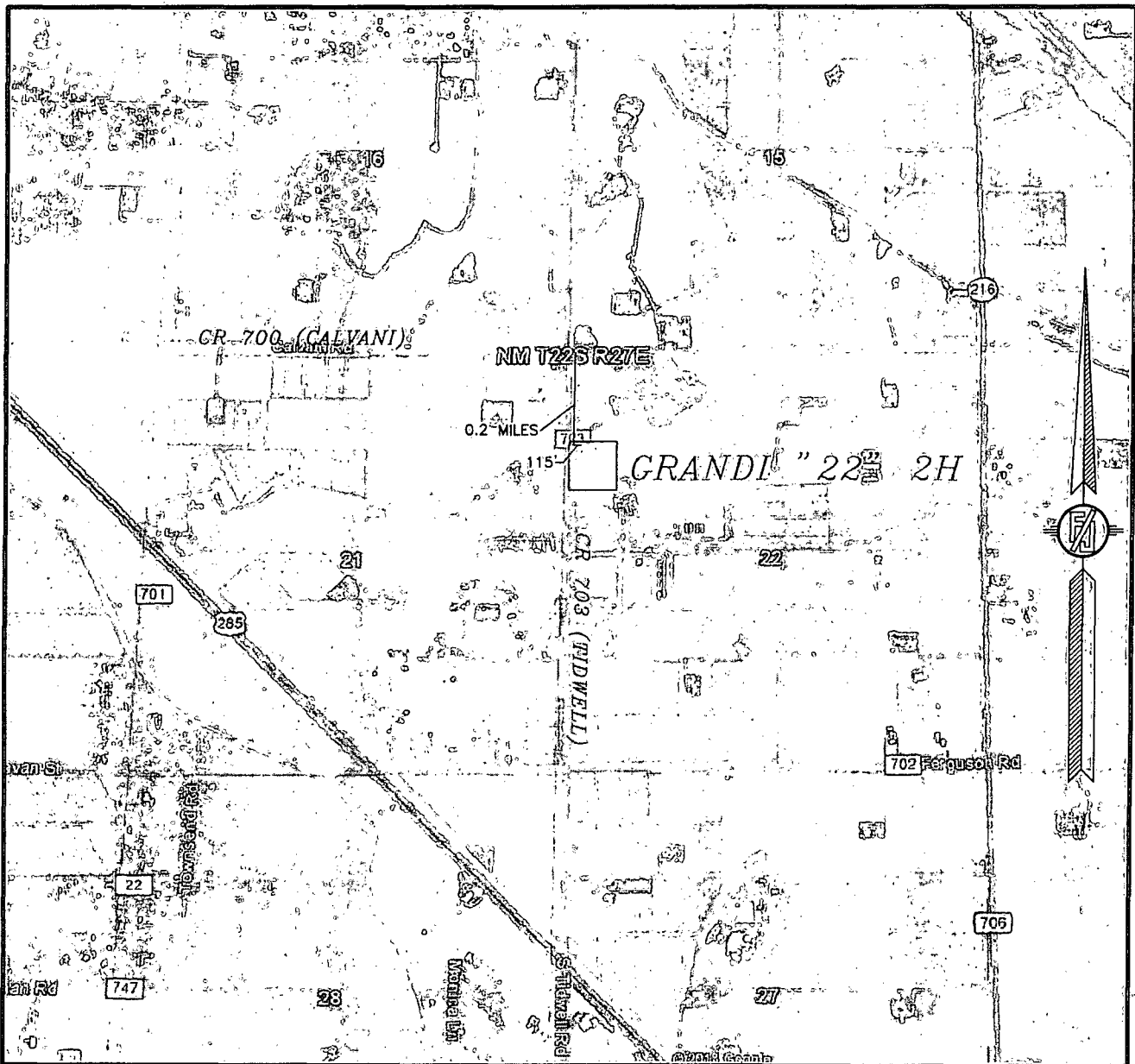
FROM PAVED CR 703 (TIDWELL) AND PAVED CR 700 (CALVANI) GO
SOUTH ON CR 703 0.2 MILES, TURN LEFT ON CALICHE ROAD AND GO
EAST 115' TO THE SOUTHWEST EDGE OF GRANDI "22" 1H. THEN
FROM THE SOUTHWEST PAD CORNER WHICH IS THE NORTHWEST
CORNER FOR THIS LOCATION.

NOVEMBER 5, 2014

SURVEY NO. 3456A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

SECTION 22, TOWNSHIP 22 SOUTH, RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO
 ACCESS AERIAL ROUTE MAP



NOT TO SCALE
 AERIAL PHOTO:
 GOOGLE EARTH
 APRIL 2013

DEVON ENERGY PRODUCTION COMPANY, L.P.

GRANDI "22" 2H

LOCATED 1360 FT. FROM THE NORTH LINE
 AND 255 FT. FROM THE WEST LINE OF
 SECTION 22, TOWNSHIP 22 SOUTH,
 RANGE 27 EAST, N.M.P.M.
 EDDY COUNTY, STATE OF NEW MEXICO

NOVEMBER 5, 2014

SURVEY NO. 3456A

MADRON SURVEYING, INC. 301 SOUTH CANAL (575) 234-3341 CARLSBAD, NEW MEXICO

Devon Energy, Grandi 22 2H

1. Geologic Formations

TVD of target	7,405'	Pilot hole depth	9,125
MD at TD:	11,949'	Deepest expected fresh water:	

Basin

Formation	Depth (TVD) from KB	Water/Mineral Bearing/ Target Zone?	Hazards*
Quaternary	0	Barren	
Salado	314	Barren	
Base Salt	1717	Barren	
Lamar	1942	Oil	
Delaware	2096	Oil	
Brushy Canyon	3967	Oil	
Brushy Canyon Lower	5048	Oil	
Bone Spring Lime	5295	Oil	
1st Bone Spring Sand	6425	Oil	
2nd Bone Spring Lime	6685	Oil	
2nd Bone Spring Sand	7105	Oil	
3rd Bone Spring Lime	7371	Oil / Gas	
Wolfcamp	8825	Barren	
TD PILOT HOLE	9125		

*H2S, water flows, loss of circulation, abnormal pressures, etc.

Devon Energy, Grandi 22 2H

2. Casing Program

Hole Size	Casing Interval		Csg. Size	Weight (lbs)	Grade	Conn	SF Collapse	SF Burst	SF Tension
	From	To							
17.5"	0	290'	13.375"	48	H-40	STC	5.94	13.34	38.86
12.25"	0	2,080'	9.625"	36	J-55	LTC	1.87	3.25	6.05
8.75"	0	11,949'	5.5"	17	P-110	BTC	2.42	3.00	4.51
7" Contingency									
8.75"	0	7555'	7"	29	P-110	BTC	3.16	3.68	4.54
6"	6,900'	11,949'	4.5"	13.5	P-110	BTC	2.93	3.41	6.19
BLM Minimum Safety Factor							1.125	1.00	1.6 Dry 1.8 Wet

All casing strings will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.h

Must have table for contingency casing

	Y or N
Is casing new? If used, attach certification as required in Onshore Order #1	Y
Does casing meet API specifications? If no, attach casing specification sheet.	Y
Is premium or uncommon casing planned? If yes attach casing specification sheet.	N
Does the above casing design meet or exceed BLM's minimum standards? If not provide justification (loading assumptions, casing design criteria).	Y
Will the intermediate pipe be kept at a minimum 1/3 fluid filled to avoid approaching the collapse pressure rating of the casing?	Y
Is well located within Capitan Reef?	N
If yes, does production casing cement tie back a minimum of 50' above the Reef?	
Is well within the designated 4 string boundary.	
Is well located in SOPA but not in R-111-P?	N
If yes, are the first 2 strings cemented to surface and 3 rd string cement tied back 500' into previous casing?	
Is well located in R-111-P and SOPA?	N
If yes, are the first three strings cemented to surface?	
Is 2 nd string set 100' to 600' below the base of salt?	
Is well located in high Cave/Karst?	N
If yes, are there two strings cemented to surface?	
(For 2 string wells) If yes, is there a contingency casing if lost circulation occurs?	
Is well located in critical Cave/Karst?	N
If yes, are there three strings cemented to surface?	

Devon Energy, Grandi 22 2H

3. Cementing Program

Casing	# Sks	Wt. lb/gal	H ₂ O gal/sk	Yld ft ³ /sack	500# Comp Strength (hours)	Slurry Description
13-3/8" Surface	330	14.8	6.32	1.33	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
9-5/8" Inter.	440	12.9	9.81	1.85	17	Lead: (65:35) Class C Cement: Poz (Fly Ash): 6% BWOC Bentonite + 5% BWOW Sodium Chloride + 0.125 lbs/sack Poly-E-Flake
	220	14.8	6.32	1.33	6	Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
7" Inter.	330	11	14.81	2.55	14	Lead: Tuned Light® Cement + 0.125 lb/sk Pol-E-Flake
	240	14.5	5.31	1.2	25	Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite
7" Inter Two Stage Option	330	11.9	12.89	5.31	n/a	1 st Stage Lead: (50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.3% BWOC HR-601 + 0.5lb/sk D-Air 5000
	240	14.5	5.31	1.2	25	1 st Stage Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite
	DV Tool = 2130ft					
	20	11	14.81	2.55	14	2 nd Stage Lead: Tuned Light® Cement + 0.125 lb/sk Pol-E-Flake
	40	14.8	6.32	1.33	6	2 nd stage Tail: Class C Cement + 0.125 lbs/sack Poly-E-Flake
4-1/2" Liner	570	14.5	5.31	1.2	25	Primary: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite
5-1/2" Prod	440	11.9	12.89	5.31	n/a	1 st Lead: (50:50) Class H Cement: Poz (Fly Ash) + 10% BWOC Bentonite + 1 lb/sk of Kol-Seal + 0.3% BWOC HR-601 + 0.5lb/sk D-Air 5000
	330	12.5	10.86	1.96	30	2 nd Lead: (65:35) Class H Cement: Poz (Fly Ash) + 6% BWOC Bentonite + 0.25% BWOC HR-601 + 0.125 lbs/sack Poly-E-Flake
	1350	14.5	5.31	1.2	25	Tail: (50:50) Class H Cement: Poz (Fly Ash) + 0.5% bwoc HALAD-344 + 0.4% bwoc CFR-3 + 0.2% BWOC HR-601 + 2% bwoc Bentonite

DV tool depth(s) will be adjusted based on hole conditions and cement volumes will be adjusted proportionally. DV tool will be set a minimum of 50 feet below previous casing and a minimum of 200 feet above current shoe. Lab reports with the 500 psi compressive strength time for the cement will be onsite for review.

Devon Energy, Grandi 22 2H

Casing String	TOC	% Excess
13-3/8" Surface	0'	100%
9-5/8" Intermediate	0'	75%
7" Intermediate	1580'	25%
7" Intermediate Two Stage Option	1 st Stage = 2130' / 2 nd Stage = 1580'	25%
Production Liner	6900'	25%
5-1/2" Production Casing	1580'	25%

Pilot Hole depth 9125ft

KOP 6859ft

Plug top	Plug Bottom	% Excess	No. Sacks	Wt. lb/gal	Yld ft ³ /sack	Water gal/sk	Slurry Description and Cement Type
6659	9125	10	955	15.6	1.19	5.42	Class H + 0.5% BWOC HR-601 + 0.2% Halad-9

4. Pressure Control Equipment

N	A variance is requested for the use of a diverter on the surface casing. See attached for schematic.
---	--

BOP installed and tested before drilling which hole?	Size?	Min. Required WP	Type	✓	Tested to:
12-1/4"	13-5/8"	3M	Annular	x	50% of working pressure 3M
			Blind Ram		
			Pipe Ram		
			Double Ram	x	
			Other*		
8-3/4"	13-5/8"	3M	Annular	x	50% testing pressure 3M
			Blind Ram		
			Pipe Ram		
			Double Ram	x	
			Other*		
			Annular		
			Blind Ram		
			Pipe Ram		
			Double Ram		
			Other*		

*Specify if additional ram is utilized.

Devon Energy, Grandi 22 2H

BOP/BOPE will be tested by an independent service company to 250 psi low and the high pressure indicated above per Onshore Order 2 requirements. The System may be upgraded to a higher pressure but still tested to the working pressure listed in the table above. If the system is upgraded all the components installed will be functional and tested.

Pipe rams will be operationally checked each 24 hour period. Blind rams will be operationally checked on each trip out of the hole. These checks will be noted on the daily tour sheets. Other accessories to the BOP equipment will include a Kelly cock and floor safety valve (inside BOP) and choke lines and choke manifold. See attached schematics.

Y	Formation integrity test will be performed per Onshore Order #2. On Exploratory wells or on that portion of any well approved for a 5M BOPE system or greater, a pressure integrity test of each casing shoe shall be performed. Will be tested in accordance with Onshore Oil and Gas Order #2 III.B.1.i.
Y	A variance is requested for the use of a flexible choke line from the BOP to Choke Manifold. See attached for specs and hydrostatic test chart.
Y	Are anchors required by manufacturer?
Y	A multibowl wellhead is being used. The BOP will be tested per Onshore Order #2 after installation on the surface casing which will cover testing requirements for a maximum of 30 days. If any seal subject to test pressure is broken the system must be tested. Devon proposes using a multi-bowl wellhead assembly (FMC Uni-head). This assembly will only be tested when installed on the surface casing. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 3000 (3M) psi. - Wellhead will be installed by FMC's representatives. - If the welding is performed by a third party, the FMC's representative will monitor the temperature to verify that it does not exceed the maximum temperature of the seal. - FMC representative will install the test plug for the initial BOP test. - FMC will install a solid steel body pack-off to completely isolate the lower head after cementing intermediate casing. After installation of the pack-off, the pack-off and the lower flange will be tested to 5M, as shown on the attached schematic. Everything above the pack-off will not have been altered whatsoever from the initial nipple up. Therefore the BOP components will not be retested at that time. - If the cement does not circulate and one inch operations would have been possible with a standard wellhead, the well head will be cut and top out operations will be conducted. - Devon will pressure test all seals above and below the mandrel (but still above the casing) to full working pressure rating. - Devon will test the casing to 0.22 psi/ft or 1500 psi, whichever is greater, as per Onshore Order #2.

Devon Energy, Grandi 22 2H

After running the 13-3/8" surface casing, a 13-5/8" BOP/BOPE system with a minimum rating of 3M will be installed on the FMC Uni-head wellhead system and will undergo a 250 psi low pressure test followed by a 3,000 psi high pressure test. The 3,000 psi high and 250 psi low test will cover testing requirements a maximum of 30 days, as per Onshore Order #2. If the well is not complete within 30 days of this BOP test, another full BOP test will be conducted, as per Onshore Order #2.

After running the 9-5/8" intermediate casing with a mandrel hanger, the 13-5/8" BOP/BOPE system with a minimum rating of 3M will already be installed on the FMC Uni-head.

The pipe rams will be operated and checked each 24 hour period and each time the drill pipe is out of the hole. These tests will be logged in the daily driller's log. A 2" kill line and 3" choke line will be incorporated into the drilling spool below the ram BOP. In addition to the rams and annular preventer, additional BOP accessories include a kelly cock, floor safety valve, choke lines, and choke manifold rated at 3,000 psi WP.

Devon requests a variance to use a flexible line with flanged ends between the BOP and the choke manifold (choke line). The line will be kept as straight as possible with minimal turns

See attached schematic.

5. Mud Program

Depth		Type	Weight (ppg)	Viscosity	Water Loss
From	To				
0	290'	FW Gel	8.6-8.8	28-34	N/C
2900'	2,080'	Saturated Brine	10.0-10.2	28-34	N/C
2,080'	11,949'	Cut Brine	8.5-9.3	28-34	N/C

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept on location at all times.

What will be used to monitor the loss or gain of fluid?	PVT/Pason/Visual Monitoring
---	-----------------------------

Devon Energy, Grandi 22 2H

6. Logging and Testing Procedures

Logging, Coring and Testing.	
X	Will run GR/CNL from TD to surface (horizontal well – vertical portion of hole). Stated logs run will be in the Completion Report and submitted to the BLM.
	No Logs are planned based on well control or offset log information.
	Drill stem test? If yes, explain
	Coring? If yes, explain

Additional logs planned	Interval
	Resistivity
	Density
X	CBL
X	Mud log
	PEX

7. Drilling Conditions

Condition	Specify what type and where?
BH Pressure at deepest TVD	3703 psi
Abnormal Temperature	No

Mitigation measure for abnormal conditions. Describe. Lost circulation material/sweeps/mud scavengers.

Hydrogen Sulfide (H ₂ S) monitors will be installed prior to drilling out the surface shoe. If H ₂ S is detected in concentrations greater than 100 ppm, the operator will comply with the provisions of Onshore Oil and Gas Order #6. If Hydrogen Sulfide is encountered, measured values and formations will be provided to the BLM.	
N	H ₂ S is present
Y	H ₂ S Plan attached

8. Other facets of operation

Is this a walking operation? No.

Will be pre-setting casing? No.

Attachments

☒ Directional Plan

☐ Other, describe

DEVON ENERGY

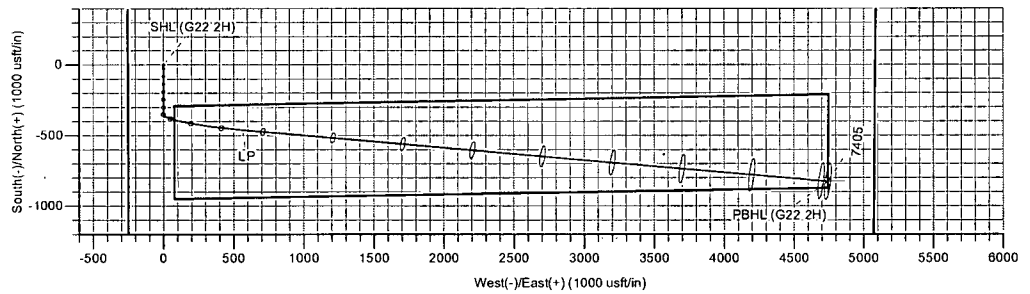
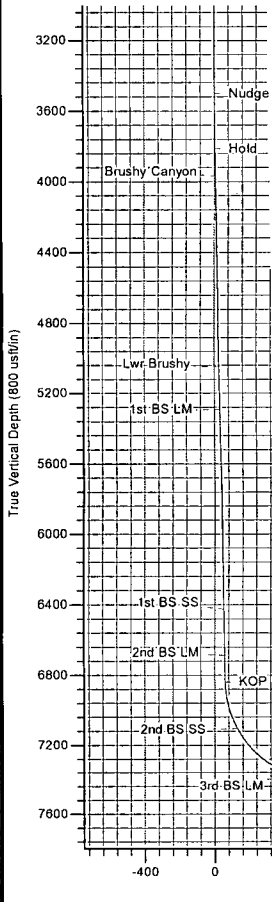
Project: Eddy County, NM (NAD-83)
Site: Grandi 22
Well: 2H
Wellbore: OH
Design: Plan #1



Azimuths to Grid North
True North: -0.08°
Magnetic North: 7.56°

Magnetic Field
Strength: 48254.2nT
Dip Angle: 60.13°
Date: 11/13/2014
Model: BGGM2014

devon



DESIGN TARGET DETAILS

Name	TVD	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude
SHL (G22 2H)	0.00	0.00	0.00	502628.66	587057.46	32° 22' 54.150 N	104° 11' 6.818 W
PBHL (G22 2H)	7405.00	-825.60	4743.02	501803.06	591800.48	32° 22' 45.912 N	104° 10' 11.520 W

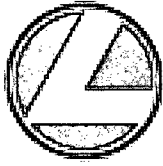
SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VFace	Annotation
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	3500.00	0.00	0.00	3500.00	0.00	0.00	0.00	0.00	0.00	Nudge
3	3812.47	6.25	180.23	3811.85	-17.02	-0.07	2.00	180.23	2.85	Hold
4	6859.30	6.25	180.23	6840.58	-348.69	-1.40	0.00	0.00	58.41	KOP 10° DLS
5	7754.12	90.00	95.00	7405.00	-459.98	563.98	10.00	-85.26	634.51	LP
6	11949.12	90.00	95.00	7405.00	-825.60	4743.02	0.00	0.00	4814.34	TD



LEAM DRILLING SYSTEMS LLC
2010 East Davis, Conroe, Texas 77301
Phone: 936/756-7577, Fax 936/756-7595

Plan: Plan #1 (2H/O/I)
Grandi 22
Created By: Brady Deaver
Date: 14/22, November 13 2014
Approved: _____
Date: _____



LEAM
Drilling Systems, Inc.

DEVON ENERGY

Eddy County, NM (NAD-83)

Grandi 22

2H

OH

Plan: Plan #1

Standard Planning Report

13 November, 2014

devon

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 2H
Company:	DEVON ENERGY	TVD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Site:	Grandi 22	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #1		

Project	Eddy County, NM (NAD-83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Grandi 22				
Site Position:		Northing:	503,043.62 usft	Latitude:	32° 22' 58.256 N
From:	Map	Easting:	587,055.97 usft	Longitude:	104° 11' 6.828 W
Position Uncertainty:	0.00 usft	Slot Radius:	13-3/16 "	Grid Convergence:	0.08 °

Well:	2H, 3rd BS SS					
Well Position	+N/-S	-414.96 usft	Northing:	502,628.66 usft	Latitude:	32° 22' 54.150 N
	+E/-W	1.49 usft	Easting:	587,057.46 usft	Longitude:	104° 11' 6.818 W
Position Uncertainty		0.00 usft	Wellhead Elevation:	3,134.10 usft	Ground Level:	3,109.10 usft

Wellbore	OH				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	BGGM2014	11/13/2014	7.63	60.13	48,254

Design		Plan #1		
Audit Notes:				
Version:	Phase:	PLAN	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (usft)	+N/-S (usft)	+E/-W (usft)	Direction (°)
	0.00	0.00	0.00	99.87

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
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00	
3,812.47	6.25	180.23	3,811.85	-17.02	-0.07	2.00	2.00	0.00	180.23	
6,859.30	6.25	180.23	6,840.58	-348.69	-1.40	0.00	0.00	0.00	0.00	
7,754.12	90.00	95.00	7,405.00	-459.98	563.98	10.00	9.36	-9.52	-85.26	
11,949.12	90.00	95.00	7,405.00	-825.60	4,743.02	0.00	0.00	0.00	0.00	PBHL (G22 2H)



LEAM Drilling Systems LLC
Planning Report



Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 2H
Company:	DEVON ENERGY	TVD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Site:	Grandi 22	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
SHL (G22 2H)									
100.00	0.00	0.00	100.00	0.00	0.00	0.00	0.00	0.00	0.00
200.00	0.00	0.00	200.00	0.00	0.00	0.00	0.00	0.00	0.00
300.00	0.00	0.00	300.00	0.00	0.00	0.00	0.00	0.00	0.00
314.00	0.00	0.00	314.00	0.00	0.00	0.00	0.00	0.00	0.00
Salado									
400.00	0.00	0.00	400.00	0.00	0.00	0.00	0.00	0.00	0.00
500.00	0.00	0.00	500.00	0.00	0.00	0.00	0.00	0.00	0.00
600.00	0.00	0.00	600.00	0.00	0.00	0.00	0.00	0.00	0.00
700.00	0.00	0.00	700.00	0.00	0.00	0.00	0.00	0.00	0.00
800.00	0.00	0.00	800.00	0.00	0.00	0.00	0.00	0.00	0.00
900.00	0.00	0.00	900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,000.00	0.00	0.00	1,000.00	0.00	0.00	0.00	0.00	0.00	0.00
1,100.00	0.00	0.00	1,100.00	0.00	0.00	0.00	0.00	0.00	0.00
1,200.00	0.00	0.00	1,200.00	0.00	0.00	0.00	0.00	0.00	0.00
1,300.00	0.00	0.00	1,300.00	0.00	0.00	0.00	0.00	0.00	0.00
1,400.00	0.00	0.00	1,400.00	0.00	0.00	0.00	0.00	0.00	0.00
1,500.00	0.00	0.00	1,500.00	0.00	0.00	0.00	0.00	0.00	0.00
1,600.00	0.00	0.00	1,600.00	0.00	0.00	0.00	0.00	0.00	0.00
1,700.00	0.00	0.00	1,700.00	0.00	0.00	0.00	0.00	0.00	0.00
1,717.00	0.00	0.00	1,717.00	0.00	0.00	0.00	0.00	0.00	0.00
Base Salt									
1,800.00	0.00	0.00	1,800.00	0.00	0.00	0.00	0.00	0.00	0.00
1,900.00	0.00	0.00	1,900.00	0.00	0.00	0.00	0.00	0.00	0.00
1,942.00	0.00	0.00	1,942.00	0.00	0.00	0.00	0.00	0.00	0.00
Lamar									
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
2,096.00	0.00	0.00	2,096.00	0.00	0.00	0.00	0.00	0.00	0.00
Delaware									
2,100.00	0.00	0.00	2,100.00	0.00	0.00	0.00	0.00	0.00	0.00
2,200.00	0.00	0.00	2,200.00	0.00	0.00	0.00	0.00	0.00	0.00
2,300.00	0.00	0.00	2,300.00	0.00	0.00	0.00	0.00	0.00	0.00
2,400.00	0.00	0.00	2,400.00	0.00	0.00	0.00	0.00	0.00	0.00
2,500.00	0.00	0.00	2,500.00	0.00	0.00	0.00	0.00	0.00	0.00
2,600.00	0.00	0.00	2,600.00	0.00	0.00	0.00	0.00	0.00	0.00
2,700.00	0.00	0.00	2,700.00	0.00	0.00	0.00	0.00	0.00	0.00
2,800.00	0.00	0.00	2,800.00	0.00	0.00	0.00	0.00	0.00	0.00
2,900.00	0.00	0.00	2,900.00	0.00	0.00	0.00	0.00	0.00	0.00
3,000.00	0.00	0.00	3,000.00	0.00	0.00	0.00	0.00	0.00	0.00
3,100.00	0.00	0.00	3,100.00	0.00	0.00	0.00	0.00	0.00	0.00
3,200.00	0.00	0.00	3,200.00	0.00	0.00	0.00	0.00	0.00	0.00
3,300.00	0.00	0.00	3,300.00	0.00	0.00	0.00	0.00	0.00	0.00
3,400.00	0.00	0.00	3,400.00	0.00	0.00	0.00	0.00	0.00	0.00
3,500.00	0.00	0.00	3,500.00	0.00	0.00	0.00	0.00	0.00	0.00
Nudge									
3,600.00	2.00	180.23	3,599.98	-1.75	-0.01	0.29	2.00	2.00	0.00
3,700.00	4.00	180.23	3,699.84	-6.98	-0.03	1.17	2.00	2.00	0.00
3,800.00	6.00	180.23	3,799.45	-15.69	-0.06	2.63	2.00	2.00	0.00
3,812.47	6.25	180.23	3,811.85	-17.02	-0.07	2.85	2.00	2.00	0.00
Hold									
3,900.00	6.25	180.23	3,898.86	-26.55	-0.11	4.45	0.00	0.00	0.00
3,968.55	6.25	180.23	3,967.00	-34.01	-0.14	5.70	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 2H
Company:	DEVON ENERGY	TVD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Site:	Grandi.22	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
Brushy Canyon									
4,000.00	6.25	180.23	3,998.27	-37.44	-0.15	6.27	0.00	0.00	0.00
4,100.00	6.25	180.23	4,097.67	-48.32	-0.19	8.10	0.00	0.00	0.00
4,200.00	6.25	180.23	4,197.08	-59.21	-0.24	9.92	0.00	0.00	0.00
4,300.00	6.25	180.23	4,296.48	-70.09	-0.28	11.74	0.00	0.00	0.00
4,400.00	6.25	180.23	4,395.89	-80.98	-0.33	13.57	0.00	0.00	0.00
4,500.00	6.25	180.23	4,495.30	-91.87	-0.37	15.39	0.00	0.00	0.00
4,600.00	6.25	180.23	4,594.70	-102.75	-0.41	17.21	0.00	0.00	0.00
4,700.00	6.25	180.23	4,694.11	-113.64	-0.46	19.04	0.00	0.00	0.00
4,800.00	6.25	180.23	4,793.51	-124.52	-0.50	20.86	0.00	0.00	0.00
4,900.00	6.25	180.23	4,892.92	-135.41	-0.54	22.68	0.00	0.00	0.00
5,000.00	6.25	180.23	4,992.32	-146.29	-0.59	24.51	0.00	0.00	0.00
5,056.01	6.25	180.23	5,048.00	-152.39	-0.61	25.53	0.00	0.00	0.00
Lwr Brushy									
5,100.00	6.25	180.23	5,091.73	-157.18	-0.63	26.33	0.00	0.00	0.00
5,200.00	6.25	180.23	5,191.14	-168.06	-0.68	28.15	0.00	0.00	0.00
5,300.00	6.25	180.23	5,290.54	-178.95	-0.72	29.98	0.00	0.00	0.00
5,304.49	6.25	180.23	5,295.00	-179.44	-0.72	30.06	0.00	0.00	0.00
1st BS LM									
5,400.00	6.25	180.23	5,389.95	-189.83	-0.76	31.80	0.00	0.00	0.00
5,500.00	6.25	180.23	5,489.35	-200.72	-0.81	33.63	0.00	0.00	0.00
5,600.00	6.25	180.23	5,588.76	-211.61	-0.85	35.45	0.00	0.00	0.00
5,700.00	6.25	180.23	5,688.16	-222.49	-0.89	37.27	0.00	0.00	0.00
5,800.00	6.25	180.23	5,787.57	-233.38	-0.94	39.10	0.00	0.00	0.00
5,900.00	6.25	180.23	5,886.98	-244.26	-0.98	40.92	0.00	0.00	0.00
6,000.00	6.25	180.23	5,986.38	-255.15	-1.03	42.74	0.00	0.00	0.00
6,100.00	6.25	180.23	6,085.79	-266.03	-1.07	44.57	0.00	0.00	0.00
6,200.00	6.25	180.23	6,185.19	-276.92	-1.11	46.39	0.00	0.00	0.00
6,300.00	6.25	180.23	6,284.60	-287.80	-1.16	48.21	0.00	0.00	0.00
6,400.00	6.25	180.23	6,384.00	-298.69	-1.20	50.04	0.00	0.00	0.00
6,441.24	6.25	180.23	6,425.00	-303.18	-1.22	50.79	0.00	0.00	0.00
1st BS SS									
6,500.00	6.25	180.23	6,483.41	-309.58	-1.25	51.86	0.00	0.00	0.00
6,600.00	6.25	180.23	6,582.82	-320.46	-1.29	53.69	0.00	0.00	0.00
6,700.00	6.25	180.23	6,682.22	-331.35	-1.33	55.51	0.00	0.00	0.00
6,702.80	6.25	180.23	6,685.00	-331.65	-1.33	55.56	0.00	0.00	0.00
2nd BS LM									
6,800.00	6.25	180.23	6,781.63	-342.23	-1.38	57.33	0.00	0.00	0.00
6,859.30	6.25	180.23	6,840.58	-348.69	-1.40	58.41	0.00	0.00	0.00
KOP 10° DLS									
6,900.00	7.73	148.51	6,880.99	-353.24	0.02	60.59	10.00	3.64	-77.95
6,950.00	11.42	127.71	6,930.30	-359.14	5.69	67.20	10.00	7.37	-41.60
7,000.00	15.84	117.63	6,978.88	-365.33	15.66	78.08	10.00	8.84	-20.16
7,050.00	20.52	111.95	7,026.38	-371.77	29.84	93.15	10.00	9.36	-11.35
7,100.00	25.32	108.34	7,072.42	-378.42	48.13	112.31	10.00	9.60	-7.23
7,136.60	28.87	106.42	7,105.00	-383.38	64.04	128.83	10.00	9.71	-5.25
2nd BS SS									
7,150.00	30.18	105.82	7,116.66	-385.21	70.38	135.40	10.00	9.75	-4.47
7,200.00	35.08	103.94	7,158.76	-392.10	96.43	162.24	10.00	9.79	-3.75
7,250.00	40.00	102.47	7,198.40	-399.04	126.08	192.64	10.00	9.84	-2.93
7,300.00	44.93	101.28	7,235.27	-405.97	159.11	226.37	10.00	9.87	-2.39
7,350.00	49.88	100.28	7,269.10	-412.84	195.25	263.16	10.00	9.89	-2.01
7,400.00	54.83	99.41	7,299.63	-419.59	234.25	302.73	10.00	9.91	-1.73

Database:	EDM 5000.1 Single User Db	Local Co-ordinate Reference:	Well 2H
Company:	DEVON ENERGY	TVD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Site:	Grandi 22	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
7,450.00	59.79	98.64	7,326.63	-426.18	275.79	344.79	10.00	9.92	-1.53
7,500.00	64.75	97.95	7,349.89	-432.56	319.57	389.02	10.00	9.92	-1.39
7,550.00	69.71	97.31	7,369.24	-438.68	365.26	435.07	10.00	9.93	-1.28
7,555.15	70.23	97.25	7,371.00	-439.29	370.05	439.91	10.00	9.93	-1.23
3rd BS LM									
7,600.00	74.68	96.71	7,384.52	-444.48	412.49	482.60	10.00	9.94	-1.19
7,650.00	79.65	96.14	7,395.62	-449.94	460.92	531.25	10.00	9.94	-1.14
7,700.00	84.62	95.59	7,402.46	-455.00	510.18	580.64	10.00	9.94	-1.11
7,754.12	90.00	95.00	7,405.00	-459.98	563.98	634.51	10.00	9.94	-1.09
LP									
7,800.00	90.00	95.00	7,405.00	-463.98	609.69	680.23	0.00	0.00	0.00
7,900.00	90.00	95.00	7,405.00	-472.70	709.31	779.86	0.00	0.00	0.00
8,000.00	90.00	95.00	7,405.00	-481.41	808.93	879.50	0.00	0.00	0.00
8,100.00	90.00	95.00	7,405.00	-490.13	908.55	979.14	0.00	0.00	0.00
8,200.00	90.00	95.00	7,405.00	-498.84	1,008.17	1,078.78	0.00	0.00	0.00
8,300.00	90.00	95.00	7,405.00	-507.56	1,107.79	1,178.42	0.00	0.00	0.00
8,400.00	90.00	95.00	7,405.00	-516.27	1,207.41	1,278.06	0.00	0.00	0.00
8,500.00	90.00	95.00	7,405.00	-524.99	1,307.03	1,377.69	0.00	0.00	0.00
8,600.00	90.00	95.00	7,405.00	-533.71	1,406.65	1,477.33	0.00	0.00	0.00
8,700.00	90.00	95.00	7,405.00	-542.42	1,506.27	1,576.97	0.00	0.00	0.00
8,800.00	90.00	95.00	7,405.00	-551.14	1,605.89	1,676.61	0.00	0.00	0.00
8,900.00	90.00	95.00	7,405.00	-559.85	1,705.50	1,776.25	0.00	0.00	0.00
9,000.00	90.00	95.00	7,405.00	-568.57	1,805.12	1,875.89	0.00	0.00	0.00
9,100.00	90.00	95.00	7,405.00	-577.28	1,904.74	1,975.52	0.00	0.00	0.00
9,200.00	90.00	95.00	7,405.00	-586.00	2,004.36	2,075.16	0.00	0.00	0.00
9,300.00	90.00	95.00	7,405.00	-594.71	2,103.98	2,174.80	0.00	0.00	0.00
9,400.00	90.00	95.00	7,405.00	-603.43	2,203.60	2,274.44	0.00	0.00	0.00
9,500.00	90.00	95.00	7,405.00	-612.15	2,303.22	2,374.08	0.00	0.00	0.00
9,600.00	90.00	95.00	7,405.00	-620.86	2,402.84	2,473.72	0.00	0.00	0.00
9,700.00	90.00	95.00	7,405.00	-629.58	2,502.46	2,573.35	0.00	0.00	0.00
9,800.00	90.00	95.00	7,405.00	-638.29	2,602.08	2,672.99	0.00	0.00	0.00
9,900.00	90.00	95.00	7,405.00	-647.01	2,701.70	2,772.63	0.00	0.00	0.00
10,000.00	90.00	95.00	7,405.00	-655.72	2,801.32	2,872.27	0.00	0.00	0.00
10,100.00	90.00	95.00	7,405.00	-664.44	2,900.94	2,971.91	0.00	0.00	0.00
10,200.00	90.00	95.00	7,405.00	-673.15	3,000.56	3,071.55	0.00	0.00	0.00
10,300.00	90.00	95.00	7,405.00	-681.87	3,100.18	3,171.18	0.00	0.00	0.00
10,400.00	90.00	95.00	7,405.00	-690.59	3,199.80	3,270.82	0.00	0.00	0.00
10,500.00	90.00	95.00	7,405.00	-699.30	3,299.42	3,370.46	0.00	0.00	0.00
10,600.00	90.00	95.00	7,405.00	-708.02	3,399.04	3,470.10	0.00	0.00	0.00
10,700.00	90.00	95.00	7,405.00	-716.73	3,498.66	3,569.74	0.00	0.00	0.00
10,800.00	90.00	95.00	7,405.00	-725.45	3,598.27	3,669.38	0.00	0.00	0.00
10,900.00	90.00	95.00	7,405.00	-734.16	3,697.89	3,769.01	0.00	0.00	0.00
11,000.00	90.00	95.00	7,405.00	-742.88	3,797.51	3,868.65	0.00	0.00	0.00
11,100.00	90.00	95.00	7,405.00	-751.59	3,897.13	3,968.29	0.00	0.00	0.00
11,200.00	90.00	95.00	7,405.00	-760.31	3,996.75	4,067.93	0.00	0.00	0.00
11,300.00	90.00	95.00	7,405.00	-769.03	4,096.37	4,167.57	0.00	0.00	0.00
11,400.00	90.00	95.00	7,405.00	-777.74	4,195.99	4,267.21	0.00	0.00	0.00
11,500.00	90.00	95.00	7,405.00	-786.46	4,295.61	4,366.84	0.00	0.00	0.00
11,600.00	90.00	95.00	7,405.00	-795.17	4,395.23	4,466.48	0.00	0.00	0.00
11,700.00	90.00	95.00	7,405.00	-803.89	4,494.85	4,566.12	0.00	0.00	0.00
11,800.00	90.00	95.00	7,405.00	-812.60	4,594.47	4,665.76	0.00	0.00	0.00
11,900.00	90.00	95.00	7,405.00	-821.32	4,694.09	4,765.40	0.00	0.00	0.00
11,949.12	90.00	95.00	7,405.00	-825.60	4,743.02	4,814.34	0.00	0.00	0.00

Database:	EDM 5000.1 Single User Db.	Local Co-ordinate Reference:	Well 2H
Company:	DEVON ENERGY	TVD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Project:	Eddy County, NM (NAD-83)	MD Reference:	3109.1' GL + 25' RKB @ 3134.10usft
Site:	Grandi 22	North Reference:	Grid
Well:	2H	Survey Calculation Method:	Minimum Curvature
Wellbore:	OH		
Design:	Plan #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)
TD - PBHL (G22 2H)									

Design Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (usft)	+N/-S (usft)	+E/-W (usft)	Northing (usft)	Easting (usft)	Latitude	Longitude
SHL (G22 2H) - hit/miss target - Shape - Point	0.00	0.00	0.00	0.00	0.00	502,628.66	587,057.46	32° 22' 54.150 N	104° 11' 6.818 W
PBHL (G22 2H) - plan hits target center - Point	0.00	0.00	7,405.00	-825.60	4,743.02	501,803.06	591,800.48	32° 22' 45.912 N	104° 10' 11.520 W

Formations							
Measured Depth (usft)	Vertical Depth (usft)	Name	Lithology	Dip (°)	Dip Direction (°)		
314.00	314.00	Salado		0.00			
1,717.00	1,717.00	Base Salt		0.00			
1,942.00	1,942.00	Lamar		0.00			
2,096.00	2,096.00	Delaware		0.00			
3,968.55	3,967.00	Brushy Canyon		0.00			
5,056.01	5,048.00	Lwr Brushy		0.00			
5,304.49	5,295.00	1st BS LM		0.00			
6,441.24	6,425.00	1st BS SS		0.00			
6,702.80	6,685.00	2nd BS LM		0.00			
7,136.60	7,105.00	2nd BS SS		0.00			
7,555.15	7,371.00	3rd BS LM		0.00			

Plan Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
3,500.00	3,500.00	0.00	0.00	Nudge
3,812.47	3,811.85	-17.02	-0.07	Hold
6,859.30	6,840.58	-348.69	-1.40	KOP 10° DLS
7,754.12	7,405.00	-459.98	563.98	LP
11,949.12	7,405.00	-825.60	4,743.02	TD

Submit 1 Copy To Appropriate District Office

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

NM OIL CONSERVATION

State of New Mexico
ARTESIA DISTRICT
Energy, Minerals and Natural Resources

NOV 04 2014

OIL CONSERVATION DIVISION

RECEIVED
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103

Revised July 18, 2013

WELL API NO.

30-015-22625

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

L-6654

7. Lease Name or Unit Agreement Name

State 19 Com

8. Well Number

2

9. OGRID Number

24010

10. Pool name or Wildcat

Millman South (Morrow)

SUNDRY NOTICES AND REPORTS ON WELLS

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

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

2. Name of Operator

V-F PETROLEUM INC.

3. Address of Operator

P.O. Box 1889, Midland, Texas 79702

4. Well Location

Unit Letter **N** : **860** feet from the **South** line and **2,057** feet from the **West** line

Section **19** Township **19-S** Range **28-E** NMPM **Eddy** County

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

3,493' GR

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE-COMPL ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

☒ Location is ready for OCD inspection after P&A 10-22-14

☒ All pits have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan.

☒ Rat hole and cellar have been filled and leveled. Cathodic protection holes have been properly abandoned.

☒ A steel marker at least 4" in diameter and at least 4" above ground level has been set in concrete. It shows the

OPERATOR NAME, LEASE NAME, WELL NUMBER, API NUMBER, QUARTER/QUARTER LOCATION OR UNIT LETTER, SECTION, TOWNSHIP, AND RANGE. ALL INFORMATION HAS BEEN WELDED OR PERMANENTLY STAMPED ON THE MARKER'S SURFACE.

☒ The location has been leveled as nearly as possible to original ground contour and has been cleared of all junk, trash, flow lines and other production equipment.

☒ Anchors, dead men, tie downs and risers have been cut off at least two feet below ground level.

☒ If this is a one-well lease or last remaining well on lease, the battery and pit location(s) have been remediated in compliance with OCD rules and the terms of the Operator's pit permit and closure plan. All flow lines, production equipment and junk have been removed from lease and well location.

☒ All metal bolts and other materials have been removed. Portable bases have been removed. (Poured onsite concrete bases do not have to be removed.)

☒ All other environmental concerns have been addressed as per OCD rules.

☒ Pipelines and flow lines have been abandoned in accordance with 19.15.35.10 NMAC. All fluids have been removed from non-retrieved flow lines and pipelines.

☒ If this is a one-well lease or last remaining well on lease, all electrical service poles and lines have been removed from lease and well location, except for utility's distribution infrastructure.

When all work has been completed, return this form to the appropriate District office to schedule an inspection.

SIGNATURE

TITLE **Engineering Technician**

DATE **10/30/2014**

Type or print name **Eric Sprinkle**

E-mail address: **eric@vfpetroleum.com**

PHONE: **432-683-3344**

For State Use Only

APPROVED BY: **Ronald Hancey**

TITLE **Compliance Officer**

DATE **12-3-14**

Conditions of Approval (if any):