

DISTRICT I
1825 N. French Dr., Hobbs, NM 88240

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

DISTRICT III
1000 Rio Brazos Rd., Artesia, NM 87410

DISTRICT IV
1220 S. St. Francis Dr., Santa Fe, NM 87506

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

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025-43257	Pool Code 14270	Pool Name Crossroads; San Andres, East K8
Property Code 316123	Property Name SANTA FE 13	Well Number 003H
OGRED No. 310809	Operator Name NEMO FUND I, LLC	Elevation 3975'

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	13	10 S	36 E		10	SOUTH	1310	EAST	LEA

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
B	13	10 S	36 E		330	NORTH	1980	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160	N		

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

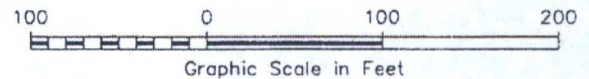
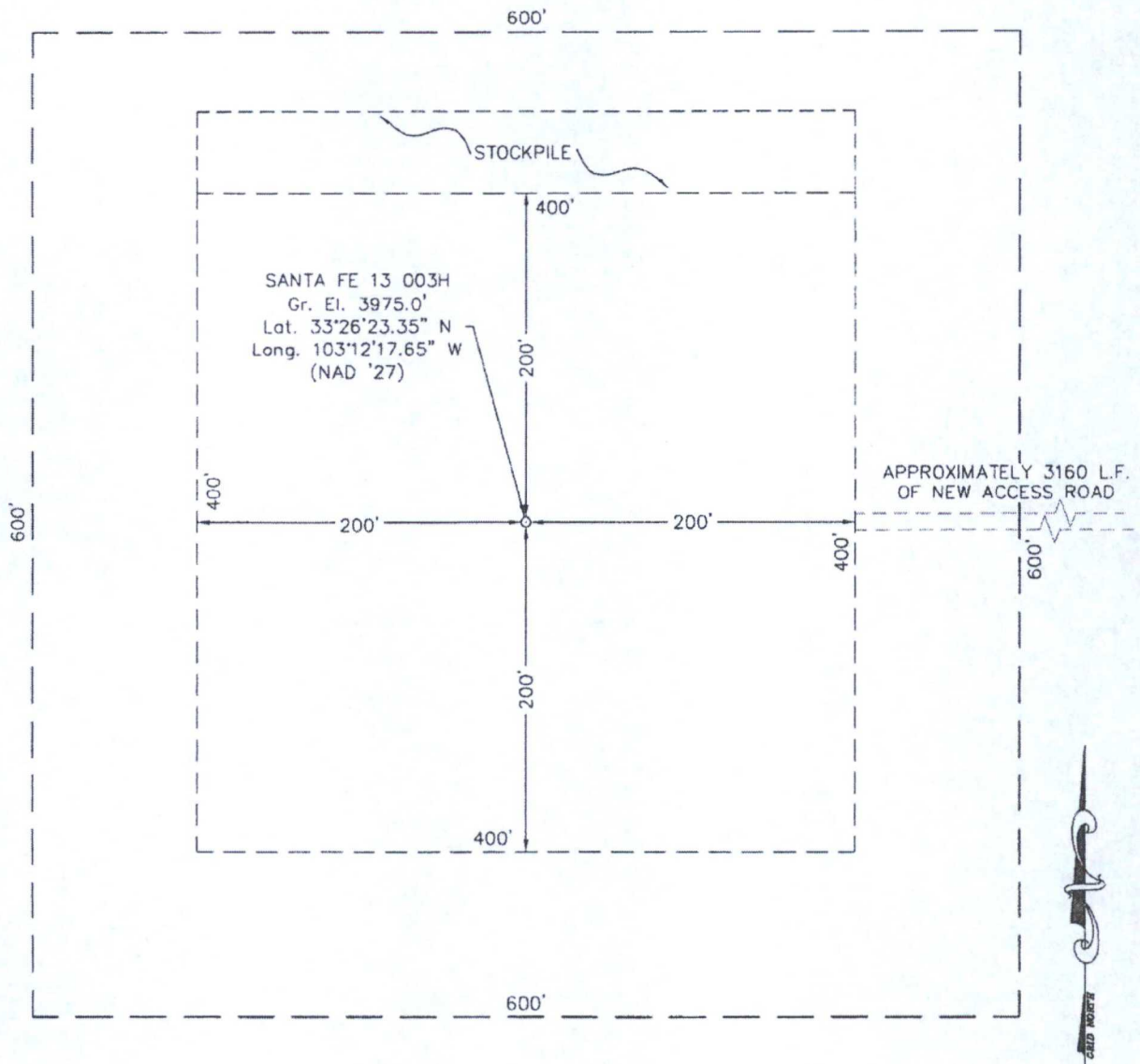
GEODETIC COORDINATES NAD 27 NME SURFACE LOCATION X = 844240.1 Y = 889400.0 LAT. = 33°26'23.55" N LONG. = 103°2'17.65" W BOTTOM HOLE LOCATION X = 843516.6 Y = 894332.2 CORNER COORDINATES A: X=846550.2 Y=889404.5 B: X=842908.1 Y=889375.2 C: X=842850.7 Y=894654.7 D: X=845492.1 Y=894684.2 Scale 1" = 1000' NOTE: 1) Plane Coordinates and Bearings shown hereon are Transverse Mercator Grid and Conform to the "New Mexico Coordinate System", New Mexico East Zone, North American Datum of 1977. Distances shown hereon are mean horizontal surface values.	13 (BHL) 330' 1980' N 08°20'14" W 485.7' 1310' 10' #003H (SL)	OPERATOR CERTIFICATION I hereby verify the information contained herein is true and complete to the best of my knowledge and belief, and that this information either owns a working interest or undivided 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 in a voluntary pooling agreement or a compulsory pooling order heretofore entered by the commission. <i>D. Holcomb</i> 5/16/16 Signature Date Danny J. Holcomb Printed Name Agent for Nemo Fund I, LLC 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. May 6 2016 Date of Survey Signature & Seal of Professional Surveyor W.O. Num. 2016-0001 Certificate No. Lindsay Gyga 23263
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SECTION 13, TOWNSHIP 10 SOUTH, RANGE 36 EAST, N.M.P.M.

LEA COUNTY

NEW MEXICO

2016-0074-1-02



DRIVING DIRECTIONS

FROM THE INTERSECTION OF STATE HIGHWAY 206 AND U.S. HIGHWAY 380 IN TATUM, NEW MEXICO, GO EAST ON U.S. HIGHWAY 380 4.0 MILES TO BLEDSOE HWY. / CO. RD. 125 ON NORTH (LEFT) SIDE OF THE HIGHWAY. THEN GO NORTH AND NORTHEAST 12.9 MILES TO A LEASE ROAD ON THE WEST (LEFT) SIDE OF THE ROAD, THEN GO NORTHWEST ON LEASE ROAD 1.20 MILES TO A POINT APPROXIMATELY 0.60 MILE EAST OF THE PROPOSED LOCATION.



SURVEYORS - ENGINEERS - PLANNERS
 FIRM REGISTRATION NUMBER: 100682-00
 110 W. LOUISIANA AVE., SUITE 110
 MIDLAND, TEXAS 79701
 (432) 687-0865 - FAX (432) 687-0868

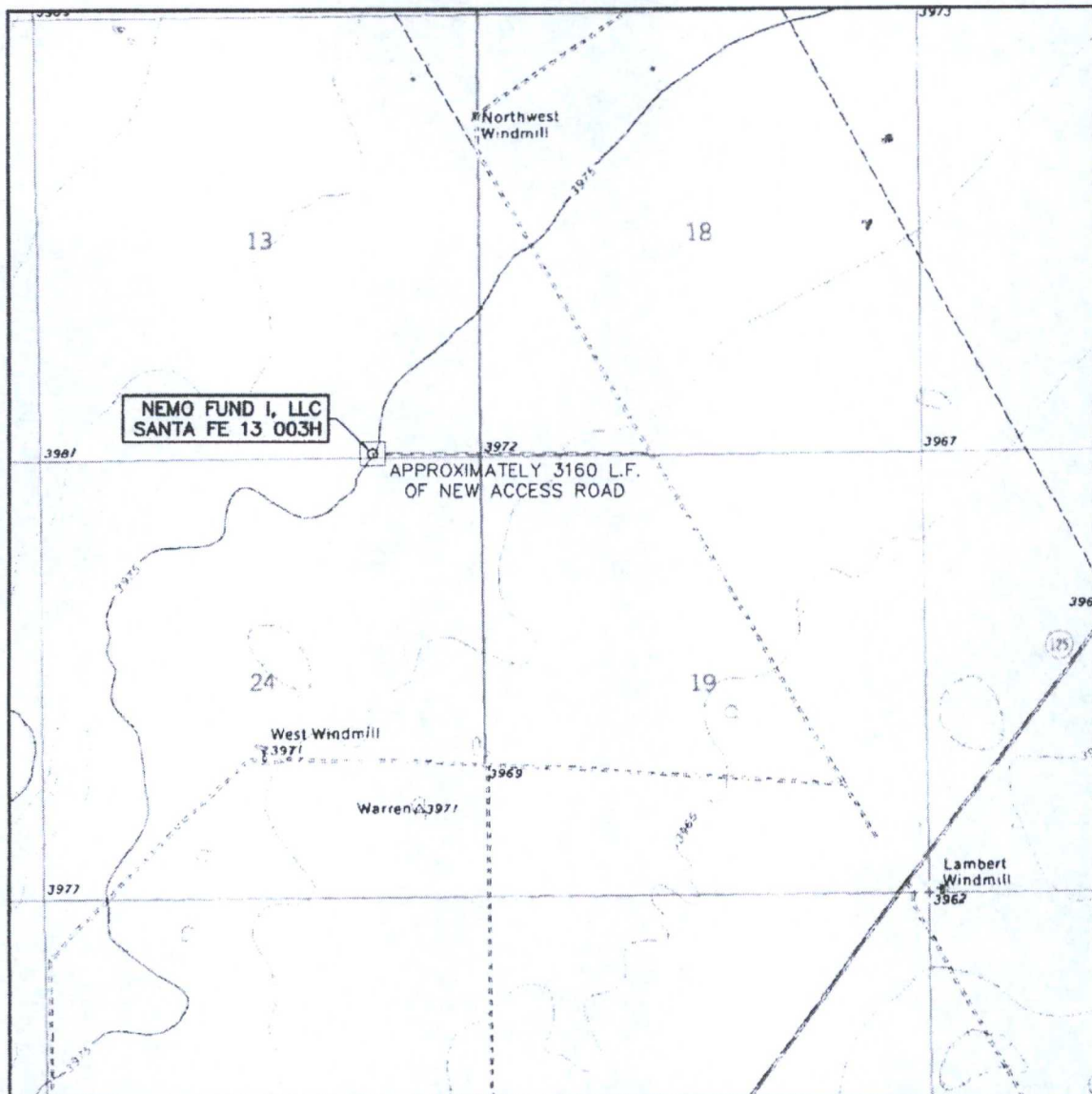
NEMO Fund I, LLC

SANTA FE 13 003H

Located 10' FSL & 1310' FEL, Section 13
 Township 10 South, Range 36 East, N.M.P.M.
 Lea County, New Mexico

Drawn By: SC	Date: May 11, 2016
Scale: 1" = 200'	Field Book: 629/ 06-07
Revision Date:	Quadrangle: Lea
W.O. No: 2016-0074-1	Dwg. No.: 2016-0074-1-02

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
LEA - 10'

SEC. 13 TWP. 10-S RGE. 36-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 10' FSL & 1310' FEL

ELEVATION 3975'

OPERATOR NEMO FUND I, LLC

LEASE SANTA FE 13

U.S.G.S. TOPOGRAPHIC MAP

LEA


WEST COMPANY
Land Surveyors • Civil Engineers


SURVEYORS - ENGINEERS - PLANNERS
FIRM REGISTRATION NUMBER: 100682-00
110 W. LOUISIANA AVE., SUITE 110
MIDLAND, TEXAS 79701
(432) 687-0885 - FAX (432) 687-0888

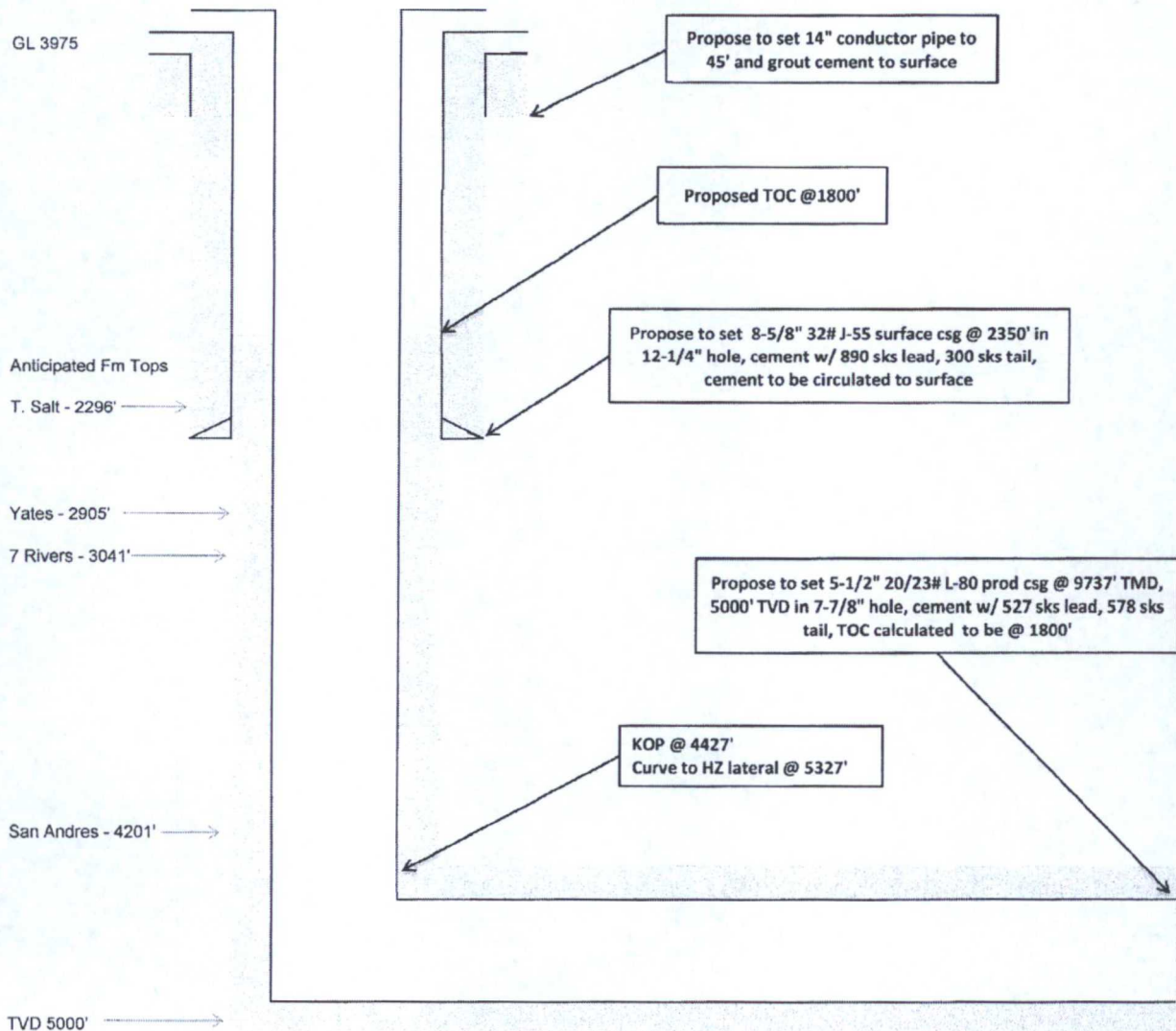
PROPOSED WELLBORE DIAGRAM

Nemo Fund I, LLC

Santa Fe 13 #3H

API # 30-025-TBD

SL - 10' FSL x 1310' FEL, UL 'P' Sec 13, T10S, R36E, Lea County, NM
BHL - 330' FNL x 1980' FEL, UL 'B' Sec 13, T10S, R36E, Lea County, NM



TMD 9737'

Drawing Not to Scale

Proposed

COPYRIGHT 1990 MITCHELL ENGINEERING, PO BOX 1492. GOLDEN, CO, 80402, USA (303) 273 3744

LONG's METHOD OF SURVEY COMPUTATION

OBLIQUE CIRCULAR ARC INTERPOLATION

6000	MD OF INTERPOLATION DEPTH,(feet)
4999.96	TVD COORDINATE OF THE DEPTH (feet)
1235.01	N/S COORDINATE OF DEPTH (feet)
-164.79	E/W COORDINATE OF DEPTH (feet)

DISTANCE TABLE

STATION A	STATION B
400.00	600.00
300.00	400.00
100.00	300.00
300.00	ft

3 D DISTANCE BETWEEN STATION A AND STATION B

TABLE OF SURVEY STATIONS

Calculator =

STA #	AMD ft	INCL deg	AZIM deg	MD ft	TVD ft	N+/S- ft	E+/W- ft	DLS deg/100FT
1	TIE POINT =>	0	0	4427.00	4427.00	0.00	0.00	-
2	100	10	352.4	4527.00	4526.49	8.63	-1.15	10.00
3	100	20	352.4	4627.00	4622.96	34.25	-4.57	10.00
4	100	30	352.4	4727.00	4713.48	76.09	-10.15	10.00
5	100	40	352.4	4827.00	4795.29	132.87	-17.73	10.00
6	100	50	352.4	4927.00	4865.91	202.87	-27.07	10.00
7	100	60	352.4	5027.00	4923.20	283.96	-37.89	10.00
8	100	70	352.4	5127.00	4965.40	373.68	-49.86	10.00
9	100	80	352.4	5227.00	4991.25	469.31	-62.62	10.00
10	100	90	352.4	5327.00	4999.96	567.92	-75.78	10.00
11	100	90	352.4	5427.00	4999.96	667.05	-89.00	0.00
12	100	90	352.4	5527.00	4999.96	766.17	-102.23	0.00
13	100	90	352.4	5627.00	4999.96	865.29	-115.45	0.00
14	100	90	352.4	5727.00	4999.96	964.41	-128.68	0.00
15	100	90	352.4	5827.00	4999.96	1063.53	-141.91	0.00
16	100	90	352.4	5927.00	4999.96	1162.65	-155.13	0.00
17	100	90	352.4	6027.00	4999.96	1261.78	-168.36	0.00
18	100	90	352.4	6127.00	4999.96	1360.90	-181.58	0.00
19	100	90	352.4	6227.00	4999.96	1460.02	-194.81	0.00
20	100	90	352.4	6327.00	4999.96	1559.14	-208.03	0.00
21	100	90	352.4	6427.00	4999.96	1658.26	-221.26	0.00
22	100	90	352.4	6527.00	4999.96	1757.38	-234.48	0.00
23	100	90	352.4	6627.00	4999.96	1856.50	-247.71	0.00
24	100	90	352.4	6727.00	4999.96	1955.63	-260.94	0.00
25	100	90	352.4	6827.00	4999.96	2054.75	-274.16	0.00
26	100	90	352.4	6927.00	4999.96	2153.87	-287.39	0.00
27	100	90	352.4	7027.00	4999.96	2252.99	-300.61	0.00
28	100	90	352.4	7127.00	4999.96	2352.11	-313.84	0.00
29	100	90	352.4	7227.00	4999.96	2451.23	-327.06	0.00
30	100	90	352.4	7327.00	4999.96	2550.36	-340.29	0.00
31	100	90	352.4	7427.00	4999.96	2649.48	-353.52	0.00
32	100	90	352.4	7527.00	4999.96	2748.60	-366.74	0.00
33	100	90	352.4	7627.00	4999.96	2847.72	-379.97	0.00
34	100	90	352.4	7727.00	4999.96	2946.84	-393.19	0.00
35	100	90	352.4	7827.00	4999.96	3045.96	-406.42	0.00
36	100	90	352.4	7927.00	4999.96	3145.09	-419.64	0.00
37	100	90	352.4	8027.00	4999.96	3244.21	-432.87	0.00
38	100	90	352.4	8127.00	4999.96	3343.33	-446.10	0.00

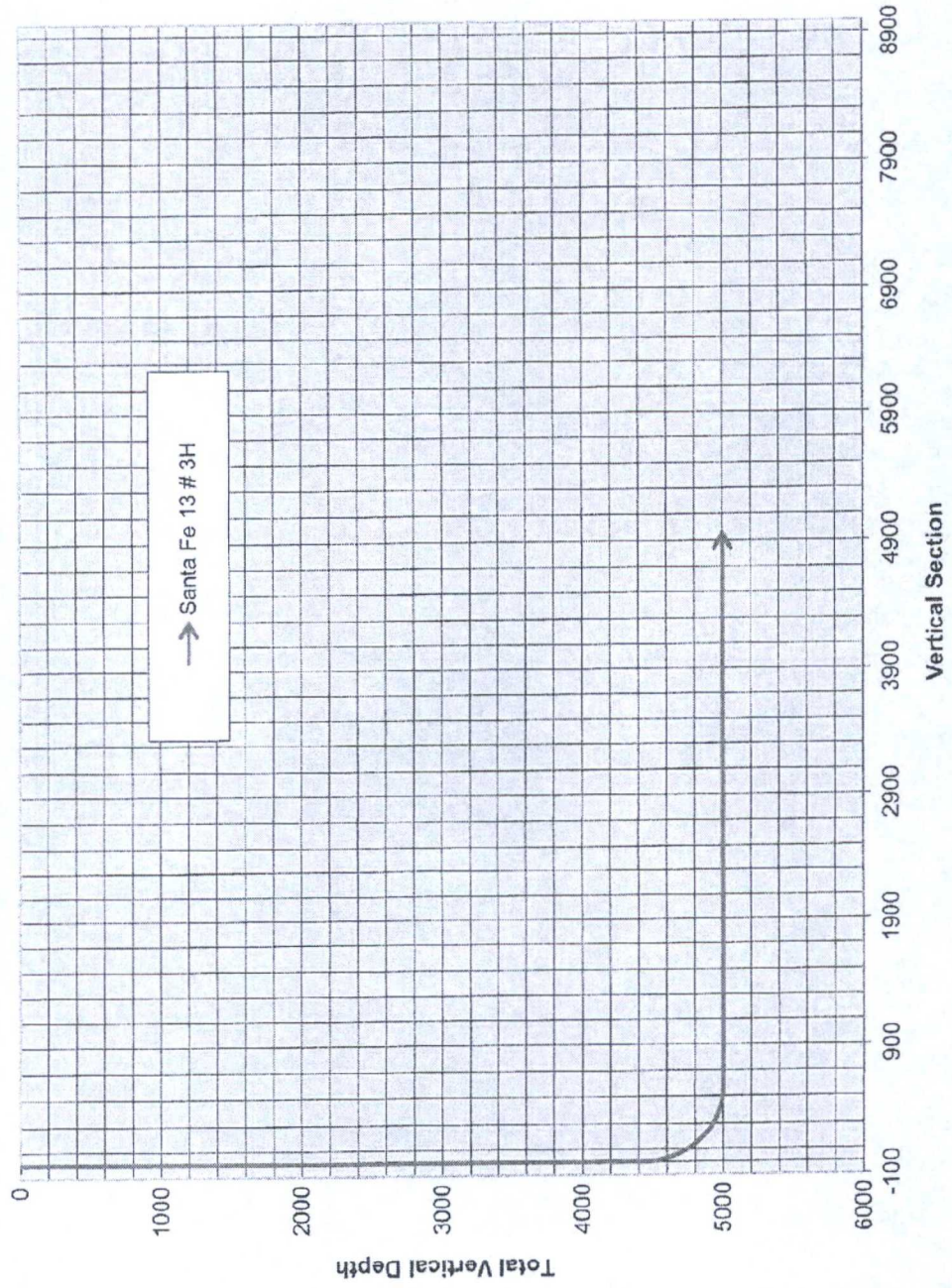
Santa Fe 13 # 3H_ San Andres
Nemo Fund I, LLC

Proposed

39	100	90	352.4	8227.00	4999.96	3442.45	-459.32	0.00
40	100	90	352.4	8327.00	4999.96	3541.57	-472.55	0.00
41	100	90	352.4	8427.00	4999.96	3640.69	-485.77	0.00
42	100	90	352.4	8527.00	4999.96	3739.81	-499.00	0.00
43	100	90	352.4	8627.00	4999.96	3838.94	-512.22	0.00
44	100	90	352.4	8727.00	4999.96	3938.06	-525.45	0.00
45	100	90	352.4	8827.00	4999.96	4037.18	-538.67	0.00
46	100	90	352.4	8927.00	4999.96	4136.30	-551.90	0.00
47	100	90	352.4	9027.00	4999.96	4235.42	-565.13	0.00
48	100	90	352.4	9127.00	4999.96	4334.54	-578.35	0.00
49	100	90	352.4	9227.00	4999.96	4433.67	-591.58	0.00
50	100	90	352.4	9327.00	4999.96	4532.79	-604.80	0.00
51	100	90	352.4	9427.00	4999.96	4631.91	-618.03	0.00
52	100	90	352.4	9527.00	4999.96	4731.03	-631.25	0.00
53	100	90	352.4	9627.00	4999.96	4830.15	-644.48	0.00
54	100	90	352.4	9727.00	4999.96	4929.27	-657.71	0.00
55	10	90	352.4	9737.00	4999.96	4939.19	-659.03	0.00
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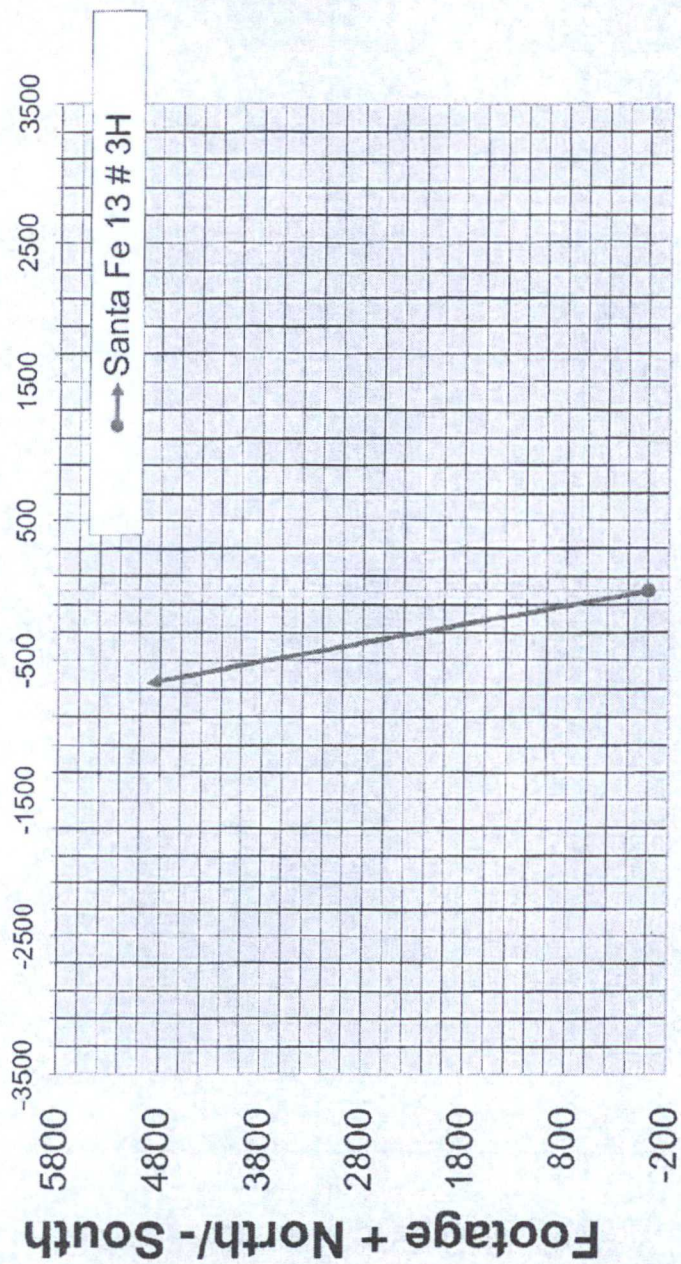
Proposed

San Andres



Proposed

Horizontal Plane Footage +East/-West



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1625 N. French Dr., Hobbs, NM 88240
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State of New Mexico
Energy, Minerals and Natural Resources Department
Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Submit Original
to Appropriate
District Office

GAS CAPTURE PLAN

Date: 5/17/2016

☒ Original

Operator & OGRID No.: NEMO Fund I, LLC (OGRID 310809)

☐ Amended - Reason for Amendment: _____

This Gas Capture Plan outlines actions to be taken by the Operator to reduce well/production facility flaring/venting for new completion (new drill, recomplete to new zone, re-frac) activity.

Note: Form C-129 must be submitted and approved prior to exceeding 60 days allowed by Rule (Subsection A of 19.15.18.12 NMAC).

Well/Production Facility – Santa Fe 13 State #3H/Santa Fe 13 State Lease Tank Battery

The well that will be located at the production facility are shown in the table below.

Well Name	API	Well Location (ULSTR)	Footages	Expected MCF/D	Flared or Vented	Comments
Santa Fe 13 State #3H	30-025- TBD	SL - P-13-10S-36E BHL - B-13-10S-36E	SL – 10' FSL x 1310' FEL	300	Flared	Low gas quality - unmarketable

Gathering System and Pipeline Notification – N/A due to low gas quality

Flowback Strategy

After the fracture treatment/completion operations, well will be produced to temporary production tanks and gas will be flared or vented. During flowback, the fluids and sand content will be monitored. When the produced fluids contain minimal sand, the wells will be turned to production facilities. Due to low gas quality, the San Andres casinghead gas in the Crossroads San Andres East Field is unmarketable. A recent purchase estimate by Targa Midstream Services indicated a $\pm$ negative \$0.35 per MCF value.

Safety requirements during cleanout operations from the use of underbalanced air cleanout systems may necessitate that sand and non-pipeline quality gas be vented and/or flared rather than sold.

Alternatives to Reduce Flaring

Gas production is expected to IP at about 300 MCFD and decline sharply over first year of production. Many San Andres wells in this field only produce minimal gas after one year of production.