

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

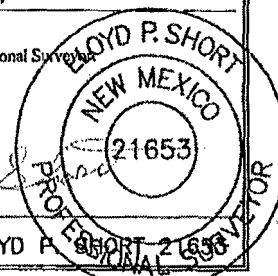
¹ API Number 30-015-44332		² Pool Code 98220		³ Pool Name PURPLE SAGE WOLFCAMP (GAS)	
⁴ Property Code 318400		⁵ Property Name SOUTHERN COMFORT 25-36 STATE X			⁶ Well Number 1H
⁷ OGRID No. 372098		⁸ Operator Name MARATHON OIL PERMIAN, LLC			⁹ Elevation 2916

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
J	25	T24S	R28E		2490	SOUTH	2310	EAST	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
O	36	T24S	R28E		240	SOUTH	2323	EAST	EDDY

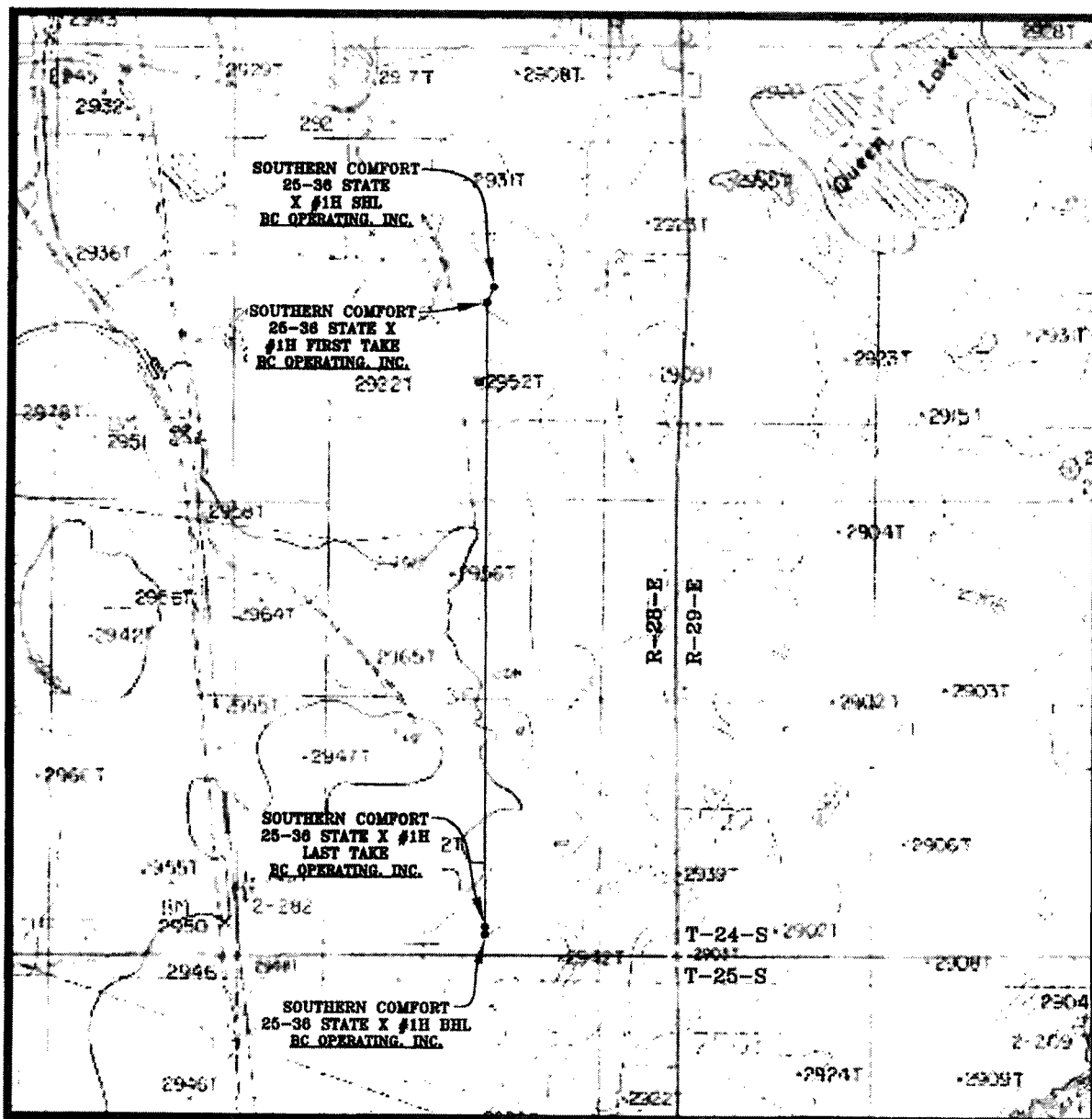
¹² Dedicated Acres 240 480	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No. R 14348	<i>NSP Required</i>
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶ SECTION 23 SECTION 26 SURFACE HOLE LOCATION 2490' FSL 2310' FEL, SECTION 25 NAD 83, SPCS NM EAST Y432252.35 / X632241.72 LAT3218799787N / LON10403948203W NAD 27, SPCS NM EAST Y432193.82 / X591057.79 LAT3218787533N / LON10403899230W FIRST TAKE POINT 2310' FSL 2386' FEL, SECTION 25 NAD 83, SPCS NM EAST Y432072.21 / X632161.29 LAT3218750331N / LON10403974360W NAD 27, SPCS NM EAST Y432013.68 / X590977.36 LAT3218738077N / LON10403925380W SECTION 28 SECTION 35 LAST TAKE POINT 330' FSL 2323' FEL, SECTION 36 NAD 83, SPCS NM EAST Y424752.06 / X632176.90 LAT3216738088N / LON10403975772W NAD 27, SPCS NM EAST Y424693.68 / X590992.80 LAT3216725809N / LON10403926865W BOTTOM HOLE LOCATION 240' FSL 2323' FEL, SECTION 36 NAD 83, SPCS NM EAST Y424662.04 / X632177.29 LAT3216713649N / LON10403975724W NAD 27, SPCS NM EAST Y424603.66 / X590993.19 LAT3216701370N / LON10403926818W T-24-S SECTION 35 T-25-S SECTION 2 CORNER COORDINATES NAD 83, SPCS NM EAST A - Y: 432425.89 / X: 631832.26 B - Y: 432426.06 / X: 633168.62 C - Y: 424424.87 / X: 633174.60 D - Y: 424421.13 / X: 631848.24		SECTION 24 SECTION 25 SECTION 19 SECTION 30 SECTION 30 SECTION 31 SECTION 31 SECTION 6 CORNER COORDINATES NAD 27, SPCS NM EAST A - Y: 432367.36 / X: 590648.35 B - Y: 432367.51 / X: 591984.68 C - Y: 424366.48 / X: 591990.47 D - Y: 424362.76 / X: 590664.24		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 released 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 <i>Melissa Szudera</i> Date 7/24/2017 Printed Name MELISSA SZUDERA E-mail Address MSZUDERA@MARATHONOIL.COM 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. JULY 12, 2017 Date of Survey Signature and Seal of Professional Surveyor <i>Lloyd P. Short</i> Certificate Number LLOYD P. SHORT 21653 
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RVP 7-24-17

LOCATION VERIFICATION MAP

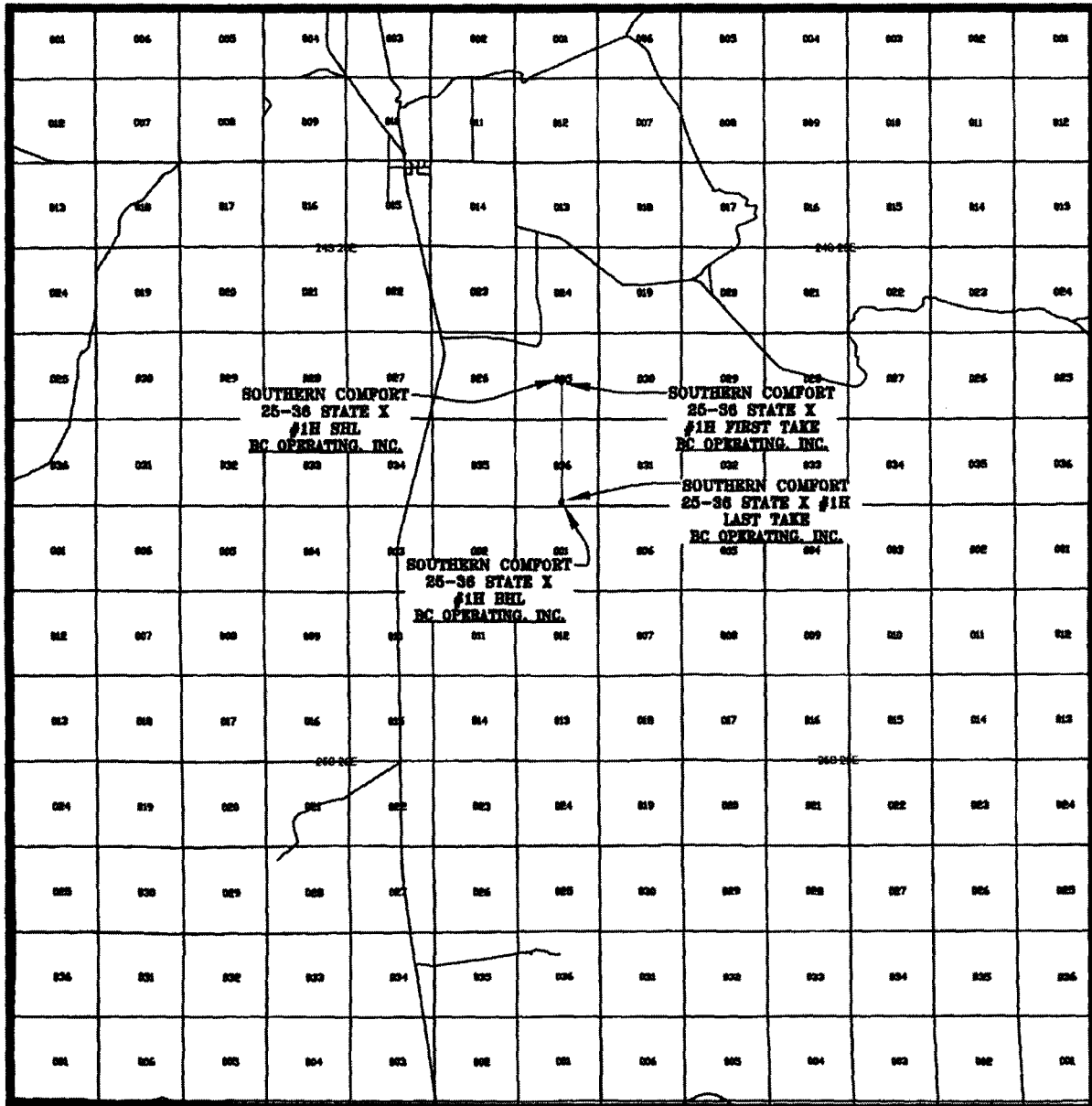


SEC. 25 TWP. 24-S RGE. 28-E
 SURVEY: N.M.P.M.
 COUNTY: EDDY
 DESCRIPTION: 2490' FSL & 2310' FEL
 ELEVATION: 2916'
 OPERATOR: B.C. OPERATING, INC.
 LEASE: SOUTHERN COMFORT STATE X
 U.S.G.S. TOPOGRAPHIC MAP: MALAGA, N.M.

SCALE: 1" = 2000'
 CONTOUR INTERVAL = 20'

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-8900 OFFICE
 JOB No. R3748_002

VICINITY MAP



SEC. 25 TWP. 24-S RGE. 28-E
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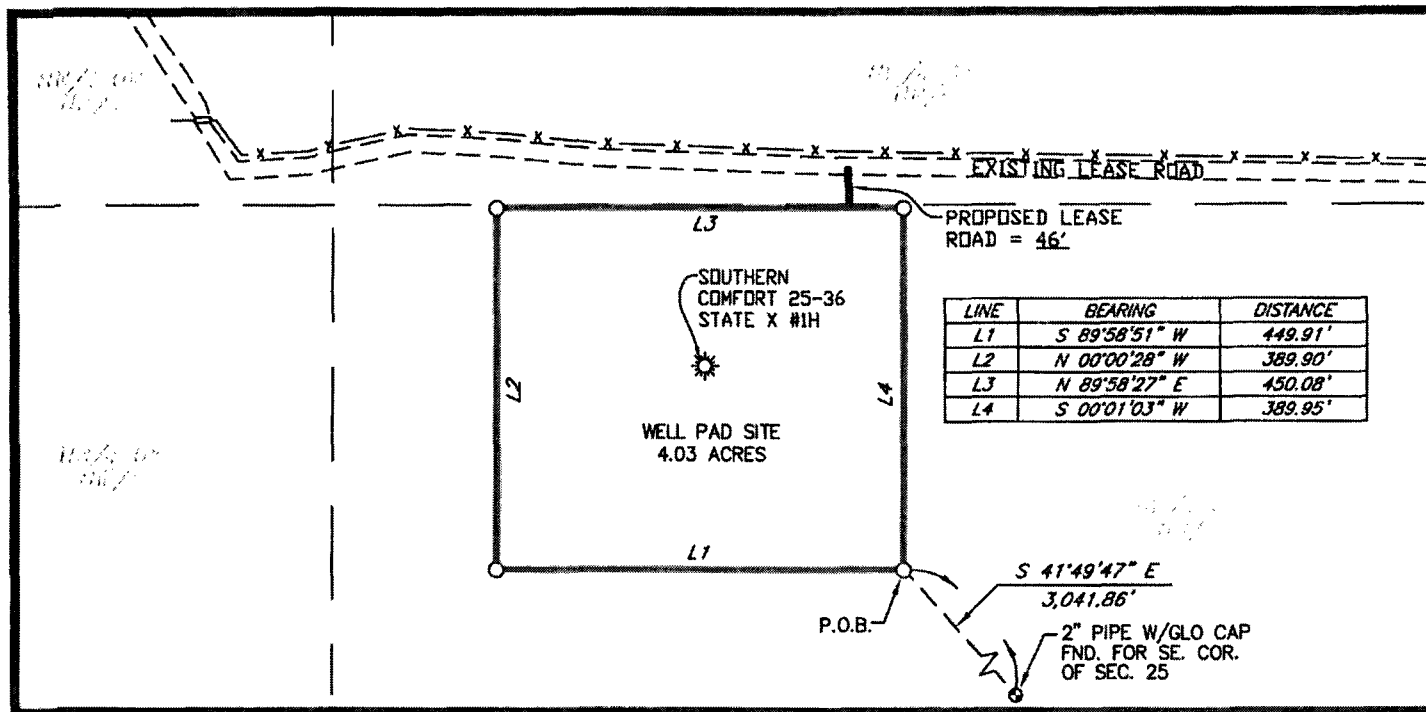
SCALE: 1" = 2 MILES

PREPARED BY:
 R-SQUARED GLOBAL, LLC
 1309 LOUISVILLE AVENUE, MONROE, LA 71201
 316-323-8900 OFFICE
 JOB No. R3746_002

WELL PAD SURFACE

100' 0' 100' 200'
SCALE: 1" = 200'

SEC. 25 TWP. 24-S RGE. 28-E
SURVEY: N.M.P.M.
COUNTY: EDDY
U.S.G.S. TOPOGRAPHIC MAP: MALAGA, N.M.



FIELD NOTES DESCRIBING

A tract of land being 4.03 acres. Said tract being located in Section 25, Township 24 South, Range 28 East, New Mexico Principal Meridian, Eddy County, New Mexico.

Being more particularly described by metes and bounds as follows:

BEGINNING at a point from which a 2" pipe with a GLO cap found for the Southeast corner of said Section 25 bears S 41°49'47" E a distance of 3,041.86 feet.

THENCE

S 89°58'51" W a distance of 449.91 feet to the Southwest corner of this tract, and N 00°00'28" W a distance of 389.90 feet to the Northwest corner of this tract, and N 89°58'27" E a distance of 450.08 feet to the Northeast corner of this tract, and S 00°01'03" W a distance of 389.95 feet to the **POINT OF BEGINNING**.

The total area of the herein described tract contains 4.03 acres of land.

All bearings and coordinates refer to NAD 83, New Mexico State Plane Coordinate System, East Zone, U.S. Survey Feet. (All bearings and distances are grid measurements.)

Title information furnished by B.C. Operating, Inc.

Reference accompanying Certificate of Survey prepared in conjunction with this legal description for easement.

STATE OF NEW MEXICO
COUNTY OF EDDY

I, Lloyd P. Short, New Mexico Professional Surveyor No. 21653, do hereby certify that this easement survey plat and the actual survey on the ground upon which it is based were performed by me or under my direct supervision; that I am responsible for this survey; that this survey meets the minimum standards for surveying in New Mexico; and that it is true and correct to the best of my knowledge and belief. I further certify that this survey is not a land division or subdivision as defined in the New Mexico Subdivision Act and that this instrument is an easement survey plat crossing an existing tract or tracts.



LLOYD P. SHORT, PS No. 21653 DATE: JULY 12, 2017

BC OPERATING, INC.

PLAT FOR A SURFACE SITE ON THE PROPERTY OF
STATE OF NEW MEXICO
EDDY COUNTY, NEW MEXICO

BASIS OF BEARING
ALL BEARINGS AND COORDINATES
REFER TO NAD 83, NEW MEXICO
STATE PLANE COORDINATE
SYSTEM, EAST ZONE, U.S. SURVEY
FEET. (ALL BEARINGS AND
DISTANCES ARE GRID
MEASUREMENTS.)

LEGEND

P.O.B. POINT OF BEGINNING
--- EXISTING ROAD
--- PROPOSED ROAD
--- SURFACE SITE EDGE
--- EXIST. PIPELINE
● MONUMENT
○ POWER POLE
● QUARTER SPLIT
--- ARC LIMITS
--- FENCE
--- SECTION LINE
--- CREEK

R3748_002

REV.	DATE	DESCRIPTION	BY	CHKD
SHEET 4 OF 7				
DRAWN BY: DEF				
DATE: 07/07/2017				
CHECKED BY: LPS				

1309 LOUISVILLE AVE.
MONROE, LA 71201
(318) 323-6900
FAX (318) 362-0064

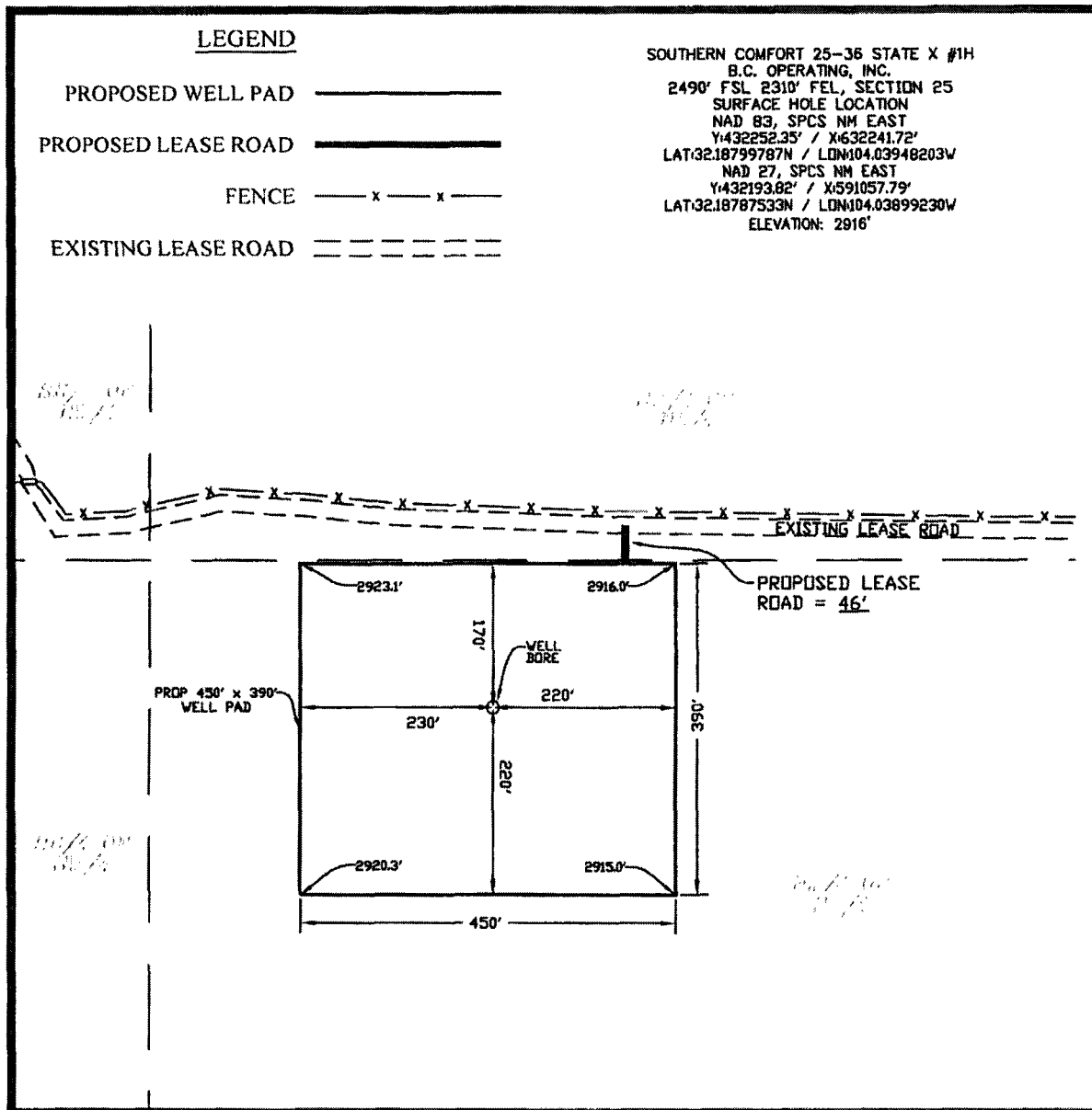
WELL PAD TOPO

SEC. 25 TWP. 24-S RGE. 28-E

SURVEY: N.M.P.M.

COUNTY: EDDY

U.S.G.S. TOPOGRAPHIC MAP: MALAGA, N.M.



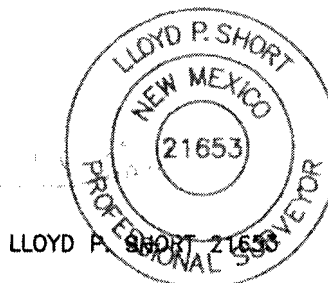
DIRECTIONS TO LOCATION:

FROM THE INTERSECTION OF U.S. HIGHWAY 62/WEST GREENE STREET AND U.S. 180 W./U.S. 62 W./S. CANAL STREET IN CARLESBAD, NEW MEXICO, TRAVEL SOUTH ON U.S. 62 W./S. CANAL STREET TOWARD W. TANSILL ST. FOR 2.0 MILES TO A LEFT TURN ONTO U.S. 285 SOUTH. TRAVEL SOUTH ON U.S. 285 SOUTH FOR 0.2 MILES AND CONTINUE STRAIGHT ONTO U.S. 285 SOUTH/S. CANAL ST. FOR 16.9 MILES TO PULLEY ROAD ON THE LEFT. TRAVEL SOUTHEAST ON PULLEY ROAD FOR 1.2 MILES. STAY STRAIGHT AT "Y" TO TRAVEL SOUTHEAST ON LEASE ROAD FOR 0.6 MILES TO PROPOSED WELL 221 FEET TO THE RIGHT.

NOTE:

THIS IS NOT A BOUNDARY SURVEY, APPARENT PROPERTY CORNERS AND PROPERTY LINES ARE SHOWN FOR INFORMATION ONLY. BOUNDARY DATA SHOWN IS FROM STATE OF NEW MEXICO OIL CONSERVATION DIVISION FORM C-102 INCLUDED IN THIS SUBMITTAL.

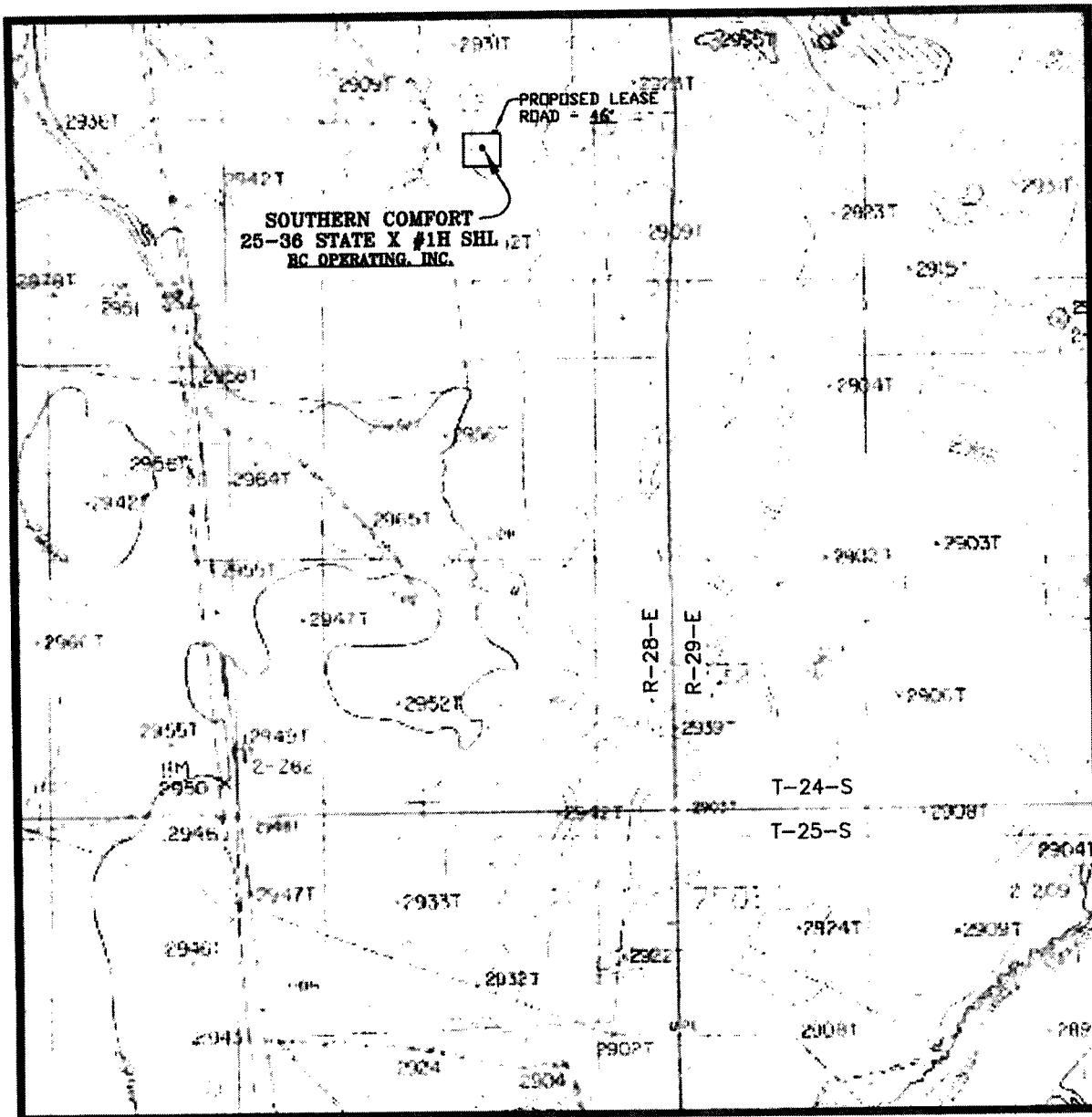
JULY 12, 2017



100' 0' 100' 200'
SCALE: 1" = 200'

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-6900 OFFICE
JOB No. R3746_002

WELL PAD LOCATION VERIFICATION MAP



SEC. 25 TWP. 24-S RGE. 28-E
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 LEASE: SOUTHERN COMFORT 25-36 STATE X
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SCALE: 1" = 2000'
 CONTOUR INTERVAL = 20'

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 R-SQUARED GLOBAL, LLC
 1809 LOUISVILLE AVENUE, MONROE, LA 71201
 318-323-8900 OFFICE
 JOB No. R3746_002

EXISTING ACCESS ROAD VICINITY MAP

SOUTHERN COMFORT 25-36 STATE X #1H

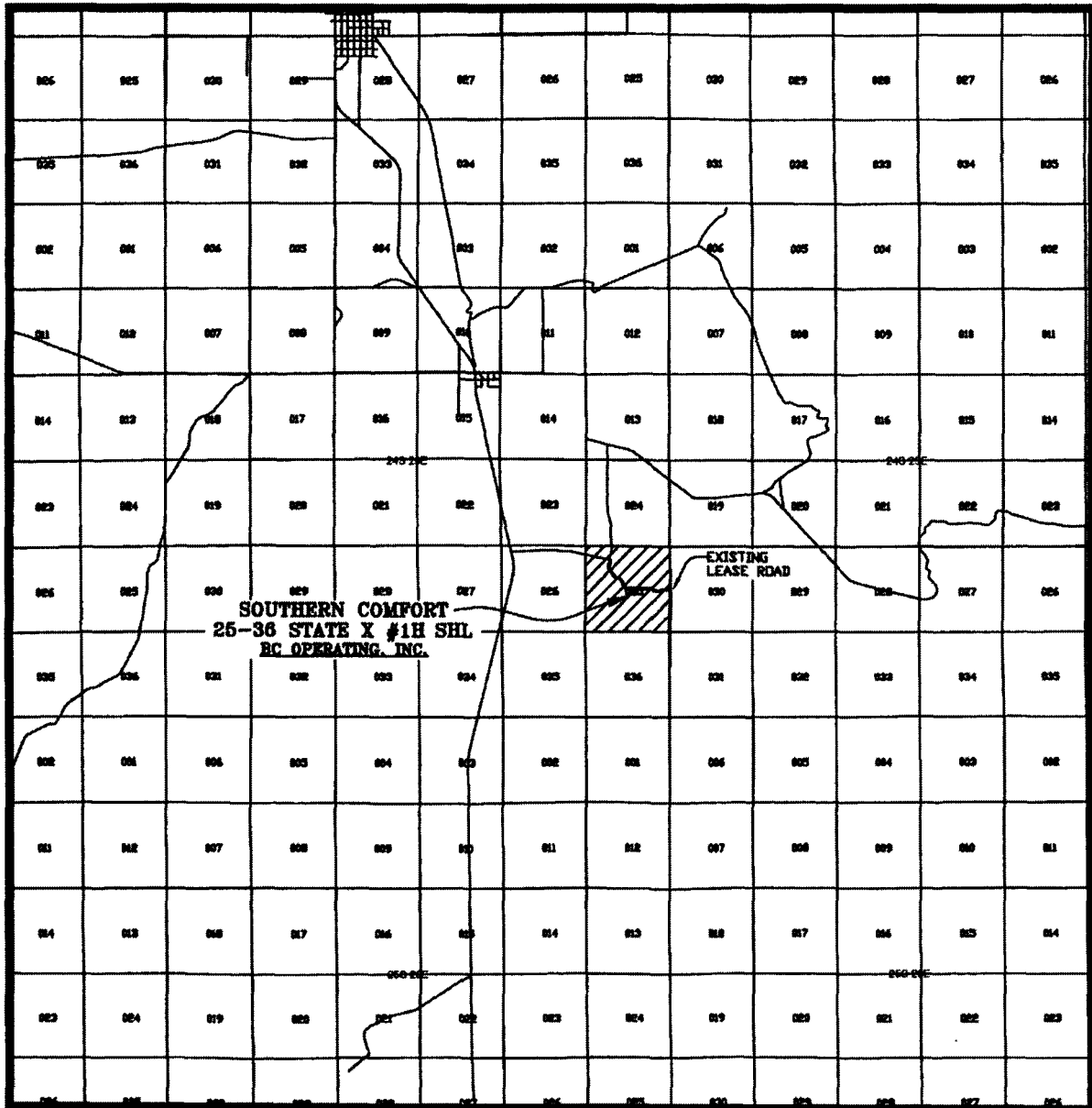
2490' FSL & 2310' FEL

SEC. 25 TWP. 24-S RGE. 28-E

SURVEY: N.M.P.M.

COUNTY: EDDY

U.S.G.S. TOPOGRAPHIC MAP: MALAGA, N.M.



SCALE: 1" = 2 MILES

PREPARED BY:
R-SQUARED GLOBAL, LLC
1309 LOUISVILLE AVENUE, MONROE, LA 71201
318-323-8900 OFFICE
JOB No. R3748_002

Plan Report 21-Jul-2017 11:39:27

Client.....: Marathon Oil
Location.....: Eddy County, NM
Site.....: Southern Comfort 25-36 State X
Well.....: No. 1H

----- Depth reference -----

Permanent datum.....: Mean Sea Level
Depth reference.....: Well
GL above permanent.....: 2916.00 usft
KB above permanent.....: 2941.00 usft

----- Surface Location -----

Northing (+N/S-).....: 432193.82 usft
Easting (+E/W-).....: 591057.79 usft

MD	Inc	Azimuth	TVD	Subsea	N/S	E/W	VS	DLS
0	0	0	0	2941	0	0	0	0
100	0	0	100	2841	0	0	0	0
200	0	0	200	2741	0	0	0	0
300	0	0	300	2641	0	0	0	0
400	0	0	400	2541	0	0	0	0
500	0	0	500	2441	0	0	0	0
600	0	0	600	2341	0	0	0	0
700	0	0	700	2241	0	0	0	0
800	0	0	800	2141	0	0	0	0
900	0	0	900	2041	0	0	0	0
1000	0	0	1000	1941	0	0	0	0
1100	0	0	1100	1841	0	0	0	0
1200	0	0	1200	1741	0	0	0	0
1300	0	0	1300	1641	0	0	0	0
1400	0	0	1400	1541	0	0	0	0
1500	0	0	1500	1441	0	0	0	0
1600	0	0	1600	1341	0	0	0	0
1700	0	0	1700	1241	0	0	0	0
1800	0	0	1800	1141	0	0	0	0
1900	0	0	1900	1041	0	0	0	0
2000	0	0	2000	941	0	0	0	0
2100	0	0	2100	841	0	0	0	0
2200	0	0	2200	741	0	0	0	0
2300	0	0	2300	641	0	0	0	0
2400	0	0	2400	541	0	0	0	0
2500	0	0	2500	441	0	0	0	0

2600	0	0	2600	341	0	0	0	0
2700	0	0	2700	241	0	0	0	0
2800	0	0	2800	141	0	0	0	0
2900	0	0	2900	41	0	0	0	0
3000	0	0	3000	-59	0	0	0	0
3100	0	0	3100	-159	0	0	0	0
3200	0	0	3200	-259	0	0	0	0
3300	0	0	3300	-359	0	0	0	0
3400	0	0	3400	-459	0	0	0	0
3500	0	0	3500	-559	0	0	0	0
3600	0	0	3600	-659	0	0	0	0
3700	0	0	3700	-759	0	0	0	0
3800	0	0	3800	-859	0	0	0	0
3900	0	0	3900	-959	0	0	0	0
4000	0	0	4000	-1059	0	0	0	0
4100	0	0	4100	-1159	0	0	0	0
4200	0	0	4200	-1259	0	0	0	0
4300	0	0	4300	-1359	0	0	0	0
4400	0	0	4400	-1459	0	0	0	0
4500	0	0	4500	-1559	0	0	0	0
4600	0	0	4600	-1659	0	0	0	0
4700	0	0	4700	-1759	0	0	0	0
4800	0	0	4800	-1859	0	0	0	0
4900	0	0	4900	-1959	0	0	0	0
5000	0	0	5000	-2059	0	0	0	0
5100	1	320.71	5099.99	-2158.99	0.68	-0.55	-0.68	1
5200	2	320.71	5199.96	-2258.96	2.7	-2.21	-2.71	1
5300	3	320.71	5299.86	-2358.86	6.08	-4.97	-6.09	1
5400	4	320.71	5399.68	-2458.68	10.8	-8.84	-10.82	1
5500	5	320.71	5499.37	-2558.37	16.87	-13.81	-16.9	1
5600	5	320.71	5598.99	-2657.99	23.62	-19.33	-23.66	0
5700	5	320.71	5698.6	-2757.6	30.37	-24.84	-30.42	0
5800	5	320.71	5798.22	-2857.22	37.11	-30.36	-37.17	0
5900	5	320.71	5897.84	-2956.84	43.86	-35.88	-43.93	0
6000	5	320.71	5997.46	-3056.46	50.6	-41.4	-50.69	0
6100	5	320.71	6097.08	-3156.08	57.35	-46.92	-57.45	0
6200	5	320.71	6196.7	-3255.7	64.09	-52.44	-64.2	0
6300	5	320.71	6296.32	-3355.32	70.84	-57.96	-70.96	0
6400	5	320.71	6395.94	-3454.94	77.58	-63.48	-77.72	0
6500	5	320.71	6495.56	-3554.56	84.33	-69	-84.47	0
6550.72	5	320.71	6546.08	-3605.08	87.75	-71.8	-87.9	0
6600	4.26	320.71	6595.21	-3654.21	90.83	-74.32	-90.98	1.5
6700	2.76	320.71	6695.02	-3754.02	95.57	-78.19	-95.73	1.5
6800	1.26	320.71	6794.95	-3853.95	98.28	-80.41	-98.45	1.5
6884.05	0	0	6879	-3938	99	-81	-99.17	1.5
6900	0	0	6894.94	-3953.94	99	-81	-99.17	0
7000	0	0	6994.94	-4053.94	99	-81	-99.17	0

7100	0	0	7094.94	-4153.94	99	-81	-99.17	0
7200	0	0	7194.94	-4253.94	99	-81	-99.17	0
7300	0	0	7294.94	-4353.94	99	-81	-99.17	0
7400	0	0	7394.94	-4453.94	99	-81	-99.17	0
7500	0	0	7494.94	-4553.94	99	-81	-99.17	0
7600	0	0	7594.94	-4653.94	99	-81	-99.17	0
7700	0	0	7694.94	-4753.94	99	-81	-99.17	0
7800	0	0	7794.94	-4853.94	99	-81	-99.17	0
7900	0	0	7894.94	-4953.94	99	-81	-99.17	0
8000	0	0	7994.94	-5053.94	99	-81	-99.17	0
8100	0	0	8094.94	-5153.94	99	-81	-99.17	0
8200	0	0	8194.94	-5253.94	99	-81	-99.17	0
8300	0	0	8294.94	-5353.94	99	-81	-99.17	0
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8700	0	0	8694.94	-5753.94	99	-81	-99.17	0
8800	0	0	8794.94	-5853.94	99	-81	-99.17	0
8900	0	0	8894.94	-5953.94	99	-81	-99.17	0
9000	0	0	8994.94	-6053.94	99	-81	-99.17	0
9100	0	0	9094.94	-6153.94	99	-81	-99.17	0
9165.06	0	0	9160	-6219	99	-81	-99.17	0
9200	3.49	179.88	9194.92	-6253.92	97.93	-81	-98.1	10
9250	8.49	179.88	9244.63	-6303.63	92.71	-80.99	-92.88	10
9300	13.49	179.88	9293.7	-6352.7	83.18	-80.97	-83.35	10
9350	18.49	179.88	9341.75	-6400.75	69.41	-80.94	-69.58	10
9400	23.49	179.88	9388.42	-6447.42	51.5	-80.9	-51.67	10
9450	28.49	179.88	9433.34	-6492.34	29.59	-80.85	-29.76	10
9500	33.49	179.88	9476.19	-6535.19	3.85	-80.8	-4.02	10
9550	38.49	179.88	9516.63	-6575.63	-25.52	-80.73	25.35	10
9600	43.49	179.88	9554.36	-6613.36	-58.31	-80.66	58.14	10
9650	48.49	179.88	9589.08	-6648.08	-94.26	-80.59	94.09	10
9700	53.49	179.88	9620.54	-6679.54	-133.1	-80.5	132.94	10
9750	58.49	179.88	9648.5	-6707.5	-174.54	-80.42	174.37	10
9800	63.49	179.88	9672.73	-6731.73	-218.25	-80.32	218.09	10
9850	68.49	179.88	9693.07	-6752.07	-263.92	-80.23	263.75	10
9900	73.49	179.88	9709.35	-6768.35	-311.17	-80.13	311.01	10
9950	78.49	179.88	9721.44	-6780.44	-359.67	-80.02	359.5	10
10000	83.49	179.88	9729.27	-6788.27	-409.04	-79.92	408.87	10
10050	88.49	179.88	9732.76	-6791.76	-458.9	-79.81	458.73	10
10065.05	90	179.88	9732.96	-6791.96	-473.95	-79.78	473.78	10
10100	90	179.88	9732.96	-6791.96	-508.9	-79.7	508.73	0
10200	90	179.88	9732.96	-6791.96	-608.9	-79.49	608.73	0
10300	90	179.88	9732.96	-6791.96	-708.9	-79.28	708.73	0
10400	90	179.88	9732.96	-6791.96	-808.9	-79.06	808.73	0
10500	90	179.88	9732.96	-6791.96	-908.9	-78.85	908.73	0
10600	90	179.88	9732.96	-6791.96	-1008.9	-78.64	1008.73	0

10700	90	179.88	9732.96	-6791.96	-1108.9	-78.42	1108.73	0
10800	90	179.88	9732.96	-6791.96	-1208.9	-78.21	1208.73	0
10900	90	179.88	9732.96	-6791.96	-1308.9	-78	1308.73	0
11000	90	179.88	9732.96	-6791.96	-1408.9	-77.78	1408.73	0
11100	90	179.88	9732.96	-6791.96	-1508.9	-77.57	1508.73	0
11200	90	179.88	9732.96	-6791.96	-1608.9	-77.36	1608.73	0
11300	90	179.88	9732.97	-6791.97	-1708.9	-77.14	1708.73	0
11400	90	179.88	9732.97	-6791.97	-1808.9	-76.93	1808.73	0
11500	90	179.88	9732.97	-6791.97	-1908.9	-76.72	1908.73	0
11600	90	179.88	9732.97	-6791.97	-2008.9	-76.5	2008.73	0
11700	90	179.88	9732.97	-6791.97	-2108.9	-76.29	2108.73	0
11800	90	179.88	9732.97	-6791.97	-2208.9	-76.08	2208.73	0
11900	90	179.88	9732.97	-6791.97	-2308.9	-75.86	2308.73	0
12000	90	179.88	9732.97	-6791.97	-2408.9	-75.65	2408.73	0
12100	90	179.88	9732.97	-6791.97	-2508.9	-75.44	2508.73	0
12200	90	179.88	9732.97	-6791.97	-2608.9	-75.22	2608.73	0
12300	90	179.88	9732.97	-6791.97	-2708.9	-75.01	2708.73	0
12400	90	179.88	9732.97	-6791.97	-2808.9	-74.8	2808.73	0
12500	90	179.88	9732.97	-6791.97	-2908.9	-74.58	2908.73	0
12600	90	179.88	9732.97	-6791.97	-3008.9	-74.37	3008.73	0
12700	90	179.88	9732.97	-6791.97	-3108.89	-74.16	3108.73	0
12800	90	179.88	9732.97	-6791.97	-3208.89	-73.94	3208.73	0
12900	90	179.88	9732.97	-6791.97	-3308.89	-73.73	3308.73	0
13000	90	179.88	9732.98	-6791.98	-3408.89	-73.52	3408.73	0
13100	90	179.88	9732.98	-6791.98	-3508.89	-73.3	3508.73	0
13200	90	179.88	9732.98	-6791.98	-3608.89	-73.09	3608.73	0
13300	90	179.88	9732.98	-6791.98	-3708.89	-72.88	3708.73	0
13400	90	179.88	9732.98	-6791.98	-3808.89	-72.66	3808.73	0
13500	90	179.88	9732.98	-6791.98	-3908.89	-72.45	3908.73	0
13600	90	179.88	9732.98	-6791.98	-4008.89	-72.24	4008.73	0
13700	90	179.88	9732.98	-6791.98	-4108.89	-72.03	4108.73	0
13800	90	179.88	9732.98	-6791.98	-4208.89	-71.81	4208.73	0
13900	90	179.88	9732.98	-6791.98	-4308.89	-71.6	4308.73	0
14000	90	179.88	9732.98	-6791.98	-4408.89	-71.39	4408.73	0
14100	90	179.88	9732.98	-6791.98	-4508.89	-71.17	4508.73	0
14200	90	179.88	9732.98	-6791.98	-4608.89	-70.96	4608.73	0
14300	90	179.88	9732.98	-6791.98	-4708.89	-70.75	4708.73	0
14400	90	179.88	9732.98	-6791.98	-4808.89	-70.53	4808.73	0
14500	90	179.88	9732.98	-6791.98	-4908.89	-70.32	4908.73	0
14600	90	179.88	9732.98	-6791.98	-5008.89	-70.11	5008.73	0
14700	90	179.88	9732.99	-6791.99	-5108.89	-69.89	5108.73	0
14800	90	179.88	9732.99	-6791.99	-5208.89	-69.68	5208.73	0
14900	90	179.88	9732.99	-6791.99	-5308.89	-69.47	5308.73	0
15000	90	179.88	9732.99	-6791.99	-5408.89	-69.25	5408.73	0
15100	90	179.88	9732.99	-6791.99	-5508.89	-69.04	5508.73	0
15200	90	179.88	9732.99	-6791.99	-5608.89	-68.83	5608.73	0
15300	90	179.88	9732.99	-6791.99	-5708.89	-68.61	5708.73	0

15400	90	179.88	9732.99	-6791.99	-5808.89	-68.4	5808.73	0
15500	90	179.88	9732.99	-6791.99	-5908.89	-68.19	5908.73	0
15600	90	179.88	9732.99	-6791.99	-6008.89	-67.97	6008.73	0
15700	90	179.88	9732.99	-6791.99	-6108.89	-67.76	6108.73	0
15800	90	179.88	9732.99	-6791.99	-6208.89	-67.55	6208.73	0
15900	90	179.88	9732.99	-6791.99	-6308.89	-67.33	6308.73	0
16000	90	179.88	9732.99	-6791.99	-6408.89	-67.12	6408.73	0
16100	90	179.88	9732.99	-6791.99	-6508.89	-66.91	6508.73	0
16200	90	179.88	9732.99	-6791.99	-6608.89	-66.69	6608.73	0
16300	90	179.88	9732.99	-6791.99	-6708.89	-66.48	6708.73	0
16400	90	179.88	9733	-6792	-6808.89	-66.27	6808.73	0
16500	90	179.88	9733	-6792	-6908.89	-66.05	6908.73	0
16600	90	179.88	9733	-6792	-7008.89	-65.84	7008.73	0
16700	90	179.88	9733	-6792	-7108.89	-65.63	7108.73	0
16800	90	179.88	9733	-6792	-7208.89	-65.41	7208.73	0
16900	90	179.88	9733	-6792	-7308.89	-65.2	7308.73	0
17000	90	179.88	9733	-6792	-7408.89	-64.99	7408.73	0
17100	90	179.88	9733	-6792	-7508.88	-64.77	7508.73	0
17181.28	90	179.88	9733	-6792	-7590.16	-64.6	7590.01	0

All data are in feet unless otherwise stated. Directions and coordinates are relative to Grid North.
Vertical depths are relative to Well. Northings and Eastings are relative to Well.

The Dogleg Severity is in Degrees per 100 feet.

Vertical Section is from Slot and calculated along an Azimuth of 179.880° (Grid).

Coordinate System is NAD 1927 (NADCON CONUS) US State Plane 1927 (Exact solution), New Mexico East
Grid Convergence at Surface is 0.157°.

Based upon Minimum Curvature type calculations, at a Measured Depth of 17181.28ft.,
the Bottom Hole Displacement is 7590.43ft., in the Direction of 179.880° (Grid).

MD (usft)	CL (usft)	Inc (°)	Azi (°)
0		0	0
5000	5000	0	0
5500	500	5	320.71
6550.72	1050.72	5	320.71
6884.05	333.33	0	0
9165.06	2281	0	0
10065.05	900	90	179.88
17181.28	7116.22	90	179.88

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590979.4 431084.9 32° 11' 5.3" 104° 2' 21.1"
590979.6 430984.9 32° 11' 4.3" 104° 2' 21.1"
590979.8 430884.9 32° 11' 3.4" 104° 2' 21.1"
590980 430784.9 32° 11' 2.4" 104° 2' 21.1"
590980.2 430684.9 32° 11' 1.4" 104° 2' 21.1"
590980.4 430584.9 32° 11' 0.4" 104° 2' 21.1"
590980.7 430484.9 32° 10' 59.4" 104° 2' 21.1"
590980.9 430384.9 32° 10' 58.4" 104° 2' 21.1"
590981.1 430284.9 32° 10' 57.4" 104° 2' 21.1"
590981.3 430184.9 32° 10' 56.4" 104° 2' 21.1"
590981.5 430084.9 32° 10' 55.4" 104° 2' 21.1"
590981.7 429984.9 32° 10' 54.4" 104° 2' 21.1"
590981.9 429884.9 32° 10' 53.4" 104° 2' 21.1"
590982.1 429784.9 32° 10' 52.4" 104° 2' 21.1"
590982.4 429684.9 32° 10' 51.4" 104° 2' 21.1"
590982.6 429584.9 32° 10' 50.4" 104° 2' 21.1"
590982.8 429484.9 32° 10' 49.4" 104° 2' 21.1"
590983 429384.9 32° 10' 48.4" 104° 2' 21.1"
590983.2 429284.9 32° 10' 47.4" 104° 2' 21.1"
590983.4 429184.9 32° 10' 46.4" 104° 2' 21.1"
590983.6 429084.9 32° 10' 45.4" 104° 2' 21.1"
590983.9 428984.9 32° 10' 44.4" 104° 2' 21.1"
590984.1 428884.9 32° 10' 43.4" 104° 2' 21.1"
590984.3 428784.9 32° 10' 42.4" 104° 2' 21.1"
590984.5 428684.9 32° 10' 41.4" 104° 2' 21.1"
590984.7 428584.9 32° 10' 40.4" 104° 2' 21.1"
590984.9 428484.9 32° 10' 39.4" 104° 2' 21.1"
590985.1 428384.9 32° 10' 38.4" 104° 2' 21.1"
590985.3 428284.9 32° 10' 37.4" 104° 2' 21.1"
590985.6 428184.9 32° 10' 36.4" 104° 2' 21.1"
590985.8 428084.9 32° 10' 35.4" 104° 2' 21.1"
590986 427984.9 32° 10' 34.4" 104° 2' 21.1"
590986.2 427884.9 32° 10' 33.4" 104° 2' 21.1"
590986.4 427784.9 32° 10' 32.4" 104° 2' 21.1"
590986.6 427684.9 32° 10' 31.4" 104° 2' 21.1"
590986.8 427584.9 32° 10' 30.4" 104° 2' 21.1"
590987 427484.9 32° 10' 29.4" 104° 2' 21.1"
590987.3 427384.9 32° 10' 28.4" 104° 2' 21.1"
590987.5 427284.9 32° 10' 27.4" 104° 2' 21.1"
590987.7 427184.9 32° 10' 26.4" 104° 2' 21.1"
590987.9 427084.9 32° 10' 25.4" 104° 2' 21.1"
590988.1 426984.9 32° 10' 24.4" 104° 2' 21.1"
590988.3 426884.9 32° 10' 23.4" 104° 2' 21.1"
590988.5 426784.9 32° 10' 22.4" 104° 2' 21.1"
590988.8 426684.9 32° 10' 21.4" 104° 2' 21.1"
590989 426584.9 32° 10' 20.4" 104° 2' 21.1"
590989.2 426484.9 32° 10' 19.4" 104° 2' 21.1"

590989.4	426384.9	32° 10' 18.1	104° 2' 21.1
590989.6	426284.9	32° 10' 17.1	104° 2' 21.1
590989.8	426184.9	32° 10' 16.1	104° 2' 21.1
590990	426084.9	32° 10' 15.1	104° 2' 21.1
590990.2	425984.9	32° 10' 14.1	104° 2' 21.1
590990.5	425884.9	32° 10' 13.1	104° 2' 21.1
590990.7	425784.9	32° 10' 12.1	104° 2' 21.1
590990.9	425684.9	32° 10' 11.1	104° 2' 21.1
590991.1	425584.9	32° 10' 10.1	104° 2' 21.1
590991.3	425484.9	32° 10' 9.9	104° 2' 21.1
590991.5	425384.9	32° 10' 8.9	104° 2' 21.1
590991.7	425284.9	32° 10' 7.9	104° 2' 21.1
590992	425184.9	32° 10' 6.9	104° 2' 21.1
590992.2	425084.9	32° 10' 6.0	104° 2' 21.1
590992.4	424984.9	32° 10' 5.0	104° 2' 21.1
590992.6	424884.9	32° 10' 4.0	104° 2' 21.1
590992.8	424784.9	32° 10' 3.0	104° 2' 21.1
590993	424684.9	32° 10' 2.0	104° 2' 21.1
590993.2	424603.7	32° 10' 1.2	104° 2' 21.1

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