

Results of Directional Survey

API number:	30-025-40401		
OGRID:		Operator:	CONOCOPHILLIPS COMPANY
		Property:	BUCK 17 FEDERAL # 2H

surface	ULSTR:	O	17	T 26S	R 32E
				1105 FSL	1650 FEL

BH Loc	ULSTR:	B	17	T 26S	R 32E
12845	MD	9227.0	TVD	334 FNL	1726 FEL
				4946 FSL	

Top Perf/OH	ULSTR:	O	17	T 26S	R 32E
9691	MD	9264.6	TVD	1798 FSL	1575 FEL

Bot Perf/OH	ULSTR:	B	17	T 26S	R 32E
12682	MD	9233.6	TVD	495 FNL	1705 FEL
				4785 FSL	

	MD	N/S	E/W	VD
	9659	661.30	77.30	9261.7
TOP PERFS/OH	9691	693.10	75.50	9264.60
	9691	693.10	75.50	9264.60
	12626	3624.00	-48.20	9235.90
BOT PERFS/OH	12682	3679.53	-54.79	9233.63
	12722	3719.20	-59.50	9232.00

NEXT TO LAST	12792	3788.60	-68.80	9229.10
LAST READING	12845	3841.10	-75.80	9227.00
TD	12845	3841.10	-75.80	9227.00

Surface Location	1105	FS	1650	FE
Projected BHL	4946	FS	1726	FE
Location of				
Top Perfs/OH	1798	FS	1575	FE
Bottom Perfs/OH	4785	FS	1705	FE

SUMMARY of Subsurface Locations

Surface Location	O-17-26S-32E	1105	FS	1650	FE	Vert. Depth
Top Perfs/OH	O-17-26S-32E	1798	FS	1575	FE	9264.60
Bottom Perfs/OH	B-17-26S-32E	4785	FS	1705	FE	9233.63
Projected TD	B-17-26S-32E	4946	FS	1726	FE	9227.00

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HOBBS OGD

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Conoco Phillips

Lea County, New Mexico
Sec 17, T26S,R32E
Buck Federal 17 #2H

Wellbore #1

Survey: MWD

DDC Survey Report

15 February, 2012



JUN 07 2012

Company:	ConocoPhillips	Local Co-ordinate Reference:	Well: Buck Federal 17 #2H
Project:	Lea County, New Mexico	TVD Reference:	WELL @ 3183.0usft (Nabors M-09)
Site:	Sec 17, T26S,R32E	MD Reference:	WELL @ 3183.0usft (Nabors M-09)
Well:	Buck Federal 17 #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

Project:	Lea County, New Mexico		
Map System:	US State Plane 1927 (Exact solution)	System Datum:	Mean Sea Level
Geo Datum:	NAD 1927 (NADCON CONUS)		
Map Zone:	New Mexico East 3001		

Site:	Sec 17, T26S,R32E		
Site Position:		Northing:	377,537.90 usft
From:	Map	Easting:	699,538.80 usft
Position Uncertainty:	0.0 usft	Slot Radius:	13-3/16 "
		Latitude:	32° 2' 10.792 N
		Longitude:	103° 41' 21.842 W
		Grid Convergence:	0.34 °

Well:	Buck Federal 17 #2H		
Well Position	+N/-S	0.0 usft	Northing: 378,300.30 usft
	+E/-W	0.0 usft	Easting: 698,283.20 usft
Position Uncertainty	0.0 usft	Wellhead Elevation:	usft
		Latitude:	32° 2' 18.411 N
		Longitude:	103° 41' 36.376 W
		Ground Level:	3,161.0 usft

Wellbore:	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination	Dip Angle	Field Strength
			(°)	(°)	(nT)
	IGRF2010	1/17/2012	7.56	59.98	48,434

Design:	Wellbore #1				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.0
Vertical Section:	Depth From (TVD)	+N/-S	+E/-W	Direction	
	(usft)	(usft)	(usft)	(°)	
	0.0	0.0	0.0	359.60	

Survey Program	Date: 2/15/2012			
From	To	Survey (Wellbore)	Tool Name	Description
(usft)	(usft)			
100.0	4,250.0	Gyro (Wellbore #1)	Good gyro	Good Gyro
4,391.0	12,845.0	MWD (Wellbore #1)	MWD default	MWD - Standard

Survey									
Measured Depth	Inclination	Azimuth	Vertical Depth	+N/-S	+E/-W	Vertical Section	Dogleg Rate	Build Rate	Turn Rate
(usft)	(°)	(°)	(usft)	(usft)	(usft)	(usft)	(°/100usft)	(°/100usft)	(°/100usft)
Tie In @ 4250' MD / 4240' TVD									
4,250.0	2.56	127.69	4,240.2	-89.3	196.8	-90.6	0.00	0.00	0.00
4,391.0	2.20	121.60	4,381.1	-92.6	201.6	-94.0	0.31	-0.26	-4.32
4,486.0	2.20	121.60	4,476.0	-94.5	204.7	-96.0	0.00	0.00	0.00
4,580.0	2.30	123.60	4,569.9	-96.5	207.8	-98.0	0.14	0.11	2.13
4,675.0	2.50	122.70	4,664.8	-98.7	211.2	-100.2	0.21	0.21	-0.95
4,770.0	1.90	132.00	4,759.8	-100.9	214.1	-102.4	0.73	-0.63	9.79
4,866.0	0.70	174.70	4,855.8	-102.5	215.3	-104.0	1.53	-1.25	44.48
4,961.0	1.10	252.40	4,950.7	-103.4	214.5	-104.9	1.23	0.42	81.79
5,055.0	2.00	258.80	5,044.7	-104.0	212.0	-105.4	0.97	0.96	6.81

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Site:	Sec 17, T26S,R32E	MD Reference:	WELL @ 3183.0usft (Nabors.M-09)
Well:	Buck Federal 17 #2H	North Reference:	Grid
Wellbore:	Wellbore #1	Survey Calculation Method:	Minimum Curvature
Design:	Wellbore #1	Database:	EDM 5000.1 Single User Db

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)
5,150.0	2.20	265.30	5,139.6	-104.4	208.6	-105.9	0.33	0.21	6.84
5,244.0	2.00	264.20	5,233.6	-104.7	205.2	-106.2	0.22	-0.21	-1.17
5,339.0	2.00	257.50	5,328.5	-105.3	201.9	-106.7	0.25	0.00	-7.05
5,434.0	2.10	260.30	5,423.5	-105.9	198.6	-107.3	0.15	0.11	2.95
5,529.0	2.20	261.70	5,518.4	-106.5	195.0	-107.8	0.12	0.11	1.47
5,624.0	2.20	265.30	5,613.3	-106.9	191.4	-108.2	0.15	0.00	3.79
5,718.0	2.40	261.70	5,707.3	-107.3	187.7	-108.6	0.26	0.21	-3.83
5,812.0	2.60	262.60	5,801.2	-107.9	183.6	-109.2	0.22	0.21	0.96
5,907.0	2.70	263.00	5,896.1	-108.4	179.3	-109.7	0.11	0.11	0.42
6,002.0	2.80	277.00	5,991.0	-108.4	174.7	-109.6	0.71	0.11	14.74
6,097.0	3.00	283.70	6,085.8	-107.5	170.0	-108.7	0.41	0.21	7.05
6,191.0	2.10	303.90	6,179.7	-106.0	166.2	-107.2	1.34	-0.96	21.49
6,286.0	1.90	306.00	6,274.7	-104.1	163.5	-105.2	0.22	-0.21	2.21
6,381.0	1.90	304.80	6,369.6	-102.3	160.9	-103.4	0.04	0.00	-1.26
6,476.0	1.70	303.60	6,464.6	-100.6	158.4	-101.7	0.21	-0.21	-1.26
6,570.0	1.70	305.00	6,558.5	-99.0	156.1	-100.1	0.04	0.00	1.49
6,664.0	1.60	295.50	6,652.5	-97.7	153.8	-98.7	0.31	-0.11	-10.11
6,759.0	2.10	292.50	6,747.5	-96.4	151.0	-97.5	0.54	0.53	-3.16
6,854.0	1.60	275.60	6,842.4	-95.6	148.1	-96.7	0.77	-0.53	-17.79
6,948.0	1.70	276.70	6,936.4	-95.3	145.4	-96.4	0.11	0.11	1.17
7,043.0	1.90	287.20	7,031.3	-94.7	142.5	-95.7	0.41	0.21	11.05
7,137.0	1.70	308.30	7,125.3	-93.4	139.9	-94.4	0.73	-0.21	22.45
7,232.0	1.80	311.00	7,220.2	-91.5	137.7	-92.5	0.14	0.11	2.84
7,326.0	1.50	311.80	7,314.2	-89.7	135.6	-90.7	0.32	-0.32	0.85
7,421.0	1.20	321.70	7,409.2	-88.1	134.1	-89.1	0.40	-0.32	10.42
7,516.0	1.00	324.90	7,504.1	-86.7	133.0	-87.6	0.22	-0.21	3.37
7,611.0	0.60	306.20	7,599.1	-85.7	132.1	-86.6	0.50	-0.42	-19.68
7,706.0	0.70	295.30	7,694.1	-85.2	131.2	-86.1	0.17	0.11	-11.47
7,800.0	0.90	260.00	7,788.1	-85.0	130.0	-86.0	0.55	0.21	-37.55
7,895.0	1.90	290.00	7,883.1	-84.6	127.7	-85.5	1.27	1.05	31.58
7,989.0	2.00	284.40	7,977.0	-83.7	124.7	-84.6	0.23	0.11	-5.96
8,083.0	1.90	276.70	8,071.0	-83.1	121.5	-84.0	0.30	-0.11	-8.19
8,177.0	1.70	276.70	8,164.9	-82.8	118.6	-83.6	0.21	-0.21	0.00
8,271.0	1.60	265.10	8,258.9	-82.7	115.9	-83.5	0.37	-0.11	-12.34
8,366.0	1.90	260.20	8,353.9	-83.1	113.0	-83.9	0.35	0.32	-5.16
8,429.0	1.90	276.20	8,416.8	-83.2	111.0	-83.9	0.84	0.00	25.40
8,461.0	3.30	312.20	8,448.8	-82.5	109.8	-83.2	6.52	4.38	112.50
8,492.0	5.30	325.00	8,479.7	-80.7	108.3	-81.5	7.12	6.45	41.29
8,524.0	7.50	333.10	8,511.5	-77.6	106.5	-78.4	7.41	6.88	25.31
8,555.0	9.10	339.80	8,542.2	-73.5	104.7	-74.3	6.02	5.16	21.61
8,618.0	12.70	351.60	8,604.0	-62.0	102.0	-62.7	6.69	5.71	18.73
8,649.0	14.30	355.80	8,634.2	-54.8	101.2	-55.5	6.05	5.16	13.55
8,681.0	16.80	357.90	8,665.0	-46.2	100.8	-46.9	8.01	7.81	6.56

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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)	
8,712.0	19.40	358.80	8,694.5	-36.6	100.5	-37.3	8.44	8.39	2.90	
8,743.0	21.50	359.00	8,723.5	-25.8	100.3	-26.5	6.78	6.77	0.65	
8,775.0	24.10	358.30	8,753.0	-13.4	100.0	-14.1	8.17	8.13	-2.19	
8,806.0	26.60	357.40	8,781.0	-0.1	99.5	-0.8	8.16	8.06	-2.90	
8,838.0	28.60	356.80	8,809.4	14.7	98.7	14.0	6.31	6.25	-1.88	
8,870.0	31.70	356.70	8,837.0	30.7	97.8	30.0	9.69	9.69	-0.31	
8,901.0	33.50	357.40	8,863.2	47.4	97.0	46.7	5.93	5.81	2.26	
8,933.0	33.00	357.50	8,889.9	64.9	96.2	64.2	1.57	-1.56	0.31	
8,964.0	33.70	357.50	8,915.8	81.9	95.4	81.3	2.26	2.26	0.00	
8,995.0	36.00	357.90	8,941.3	99.6	94.7	99.0	7.46	7.42	1.29	
9,027.0	38.40	358.30	8,966.7	119.0	94.1	118.3	7.54	7.50	1.25	
9,059.0	41.40	358.60	8,991.3	139.5	93.5	138.8	9.39	9.38	0.94	
9,091.0	44.10	359.00	9,014.8	161.2	93.1	160.6	8.48	8.44	1.25	
9,122.0	46.90	359.60	9,036.5	183.3	92.8	182.7	9.14	9.03	1.94	
9,154.0	49.20	359.80	9,057.9	207.1	92.7	206.5	7.20	7.19	0.63	
9,185.0	51.20	359.50	9,077.7	230.9	92.5	230.3	6.49	6.45	-0.97	
9,217.0	53.30	359.60	9,097.3	256.2	92.4	255.6	6.57	6.56	0.31	
9,249.0	55.80	359.60	9,115.9	282.3	92.2	281.6	7.81	7.81	0.00	
9,280.0	57.60	359.80	9,132.9	308.2	92.0	307.6	5.83	5.81	0.65	
9,312.0	59.60	359.80	9,149.6	335.5	91.9	334.9	6.25	6.25	0.00	
9,344.0	62.00	359.60	9,165.2	363.4	91.8	362.8	7.52	7.50	-0.63	
9,375.0	64.00	359.00	9,179.3	391.1	91.5	390.4	6.68	6.45	-1.94	
9,407.0	65.80	358.10	9,192.8	420.0	90.7	419.4	6.17	5.63	-2.81	
9,439.0	68.60	357.90	9,205.2	449.5	89.7	448.9	8.77	8.75	-0.63	
9,470.0	71.50	356.80	9,215.8	478.6	88.3	478.0	9.93	9.35	-3.55	
9,501.0	73.30	356.70	9,225.2	508.1	86.7	507.5	5.81	5.81	-0.32	
9,533.0	73.70	356.50	9,234.3	538.7	84.8	538.1	1.39	1.25	-0.63	
9,565.0	74.70	356.10	9,243.0	569.5	82.9	568.9	3.35	3.13	-1.25	
9,596.0	76.70	356.70	9,250.6	599.5	81.0	598.9	6.72	6.45	1.94	
9,627.0	79.80	356.80	9,257.0	629.7	79.3	629.2	10.00	10.00	0.32	
9,659.0	83.30	356.30	9,261.7	661.3	77.3	660.8	11.05	10.94	-1.56	
9,691.0	86.10	357.20	9,264.6	693.1	75.5	692.6	9.19	8.75	2.81	
9,786.0	87.90	357.40	9,269.6	787.9	71.1	787.4	1.91	1.89	0.21	
9,880.0	89.40	356.70	9,271.8	881.8	66.2	881.3	1.76	1.60	-0.74	
9,975.0	89.70	358.80	9,272.5	976.7	62.5	976.2	2.23	0.32	2.21	
10,069.0	90.20	357.90	9,272.6	1,070.6	59.8	1,070.2	1.10	0.53	-0.96	
10,164.0	90.50	357.00	9,272.1	1,165.5	55.6	1,165.1	1.00	0.32	-0.95	
10,259.0	91.50	357.90	9,270.4	1,260.4	51.3	1,260.0	1.42	1.05	0.95	
10,353.0	91.80	357.50	9,267.7	1,354.3	47.6	1,353.9	0.53	0.32	-0.43	
10,448.0	92.20	356.80	9,264.4	1,449.1	42.9	1,448.8	0.85	0.42	-0.74	
10,542.0	91.60	358.80	9,261.3	1,543.0	39.2	1,542.7	2.22	-0.64	2.13	
10,638.0	89.90	0.00	9,260.0	1,639.0	38.2	1,638.7	2.17	-1.77	1.25	
10,732.0	90.50	358.80	9,259.7	1,733.0	37.3	1,732.7	1.43	0.64	-1.28	

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Design:	Wellbore #1	Database:	EDM.5000:1 Single User Db

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)	
10,826.0	90.80	358.60	9,258.6	1,827.0	35.1	1,826.7	0.38	0.32	-0.21	
10,920.0	91.60	357.70	9,256.6	1,920.9	32.1	1,920.6	1.28	0.85	-0.96	
11,015.0	89.20	358.80	9,256.0	2,015.8	29.2	2,015.6	2.78	-2.53	1.16	
11,110.0	90.00	358.10	9,256.6	2,110.8	26.6	2,110.5	1.12	0.84	-0.74	
11,205.0	90.70	357.70	9,256.1	2,205.7	23.1	2,205.5	0.85	0.74	-0.42	
11,299.0	91.20	356.80	9,254.5	2,299.6	18.6	2,299.4	1.10	0.53	-0.96	
11,394.0	91.10	355.80	9,252.6	2,394.4	12.5	2,394.2	1.06	-0.11	-1.05	
11,489.0	89.50	356.00	9,252.1	2,489.1	5.7	2,489.0	1.70	-1.68	0.21	
11,584.0	89.30	357.20	9,253.1	2,584.0	0.1	2,583.9	1.28	-0.21	1.26	
11,679.0	90.00	359.30	9,253.7	2,678.9	-2.8	2,678.9	2.33	0.74	2.21	
11,773.0	90.00	0.01	9,253.7	2,772.9	-3.4	2,772.9	0.75	0.00	0.75	
11,868.0	90.80	0.00	9,253.0	2,867.9	-3.4	2,867.9	0.84	0.84	-0.01	
11,962.0	91.10	359.10	9,251.4	2,961.9	-4.1	2,961.8	1.01	0.32	-0.96	
12,057.0	90.40	357.70	9,250.2	3,056.8	-6.8	3,056.8	1.65	-0.74	-1.47	
12,152.0	90.80	357.20	9,249.2	3,151.7	-11.0	3,151.7	0.67	0.42	-0.53	
12,246.0	91.80	357.00	9,247.1	3,245.6	-15.8	3,245.6	1.08	1.06	-0.21	
12,342.0	91.10	355.60	9,244.6	3,341.4	-22.0	3,341.4	1.63	-0.73	-1.46	
12,437.0	91.90	354.90	9,242.2	3,436.0	-29.8	3,436.1	1.12	0.84	-0.74	
12,531.0	91.80	354.40	9,239.1	3,529.5	-38.6	3,529.7	0.54	-0.11	-0.53	
12,626.0	92.10	354.00	9,235.9	3,624.0	-48.2	3,624.2	0.53	0.32	-0.42	
12,722.0	92.50	352.40	9,232.0	3,719.2	-59.5	3,719.6	1.72	0.42	-1.67	
12,792.0	92.30	352.40	9,229.1	3,788.6	-68.8	3,789.0	0.29	-0.29	0.00	
TD @ 12845' MD / 9227' TVD										
12,845.0	92.30	352.40	9,227.0	3,841.1	-75.8	3,841.5	0.00	0.00	0.00	

Survey Annotations				
Measured Depth (usft)	Vertical Depth (usft)	Local Coordinates		Comment
		+N/-S (usft)	+E/-W (usft)	
4,250.0	4,240.2	-89.3	196.8	Tie In @ 4250' MD / 4240' TVD
12,845.0	9,227.0	3,841.1	-75.8	TD @ 12845' MD / 9227' TVD

Checked By: _____ Approved By: _____ Date: _____

DISTRICT I
1625 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 87505

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

MAY 24 2012

RECEIVED ☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number	Pool Code	Pool Name
Property Code	Property Name BUCK FEDERAL 17	Well Number 2H
OGRID No.	Operator Name CONOCOPHILLIPS	Elevation 3161'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
0	17	26-S	32-E		1105	SOUTH	1650	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	17	26-S	32-E		330	NORTH	1650	EAST	LEA
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

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

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 1927. Distances shown hereon are mean horizontal surface values.			(BHL) Plane Coordinate X = 698,255.6 Y = 382,211.3	330'	1650'
				N 0°24'15" W - 3911.9'	
				3162.5'	3159.9'
				3161.8'	3155.5'
			(SL) Plane Coordinate X = 698,283.2 Y = 378,300.3	1105'	1650'

OPERATOR CERTIFICATION

I hereby certify 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 _____

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.

October 13, 2011

Date of Survey _____

Signature & Seal of Professional Surveyor _____

W.O. Num. 2011-1437

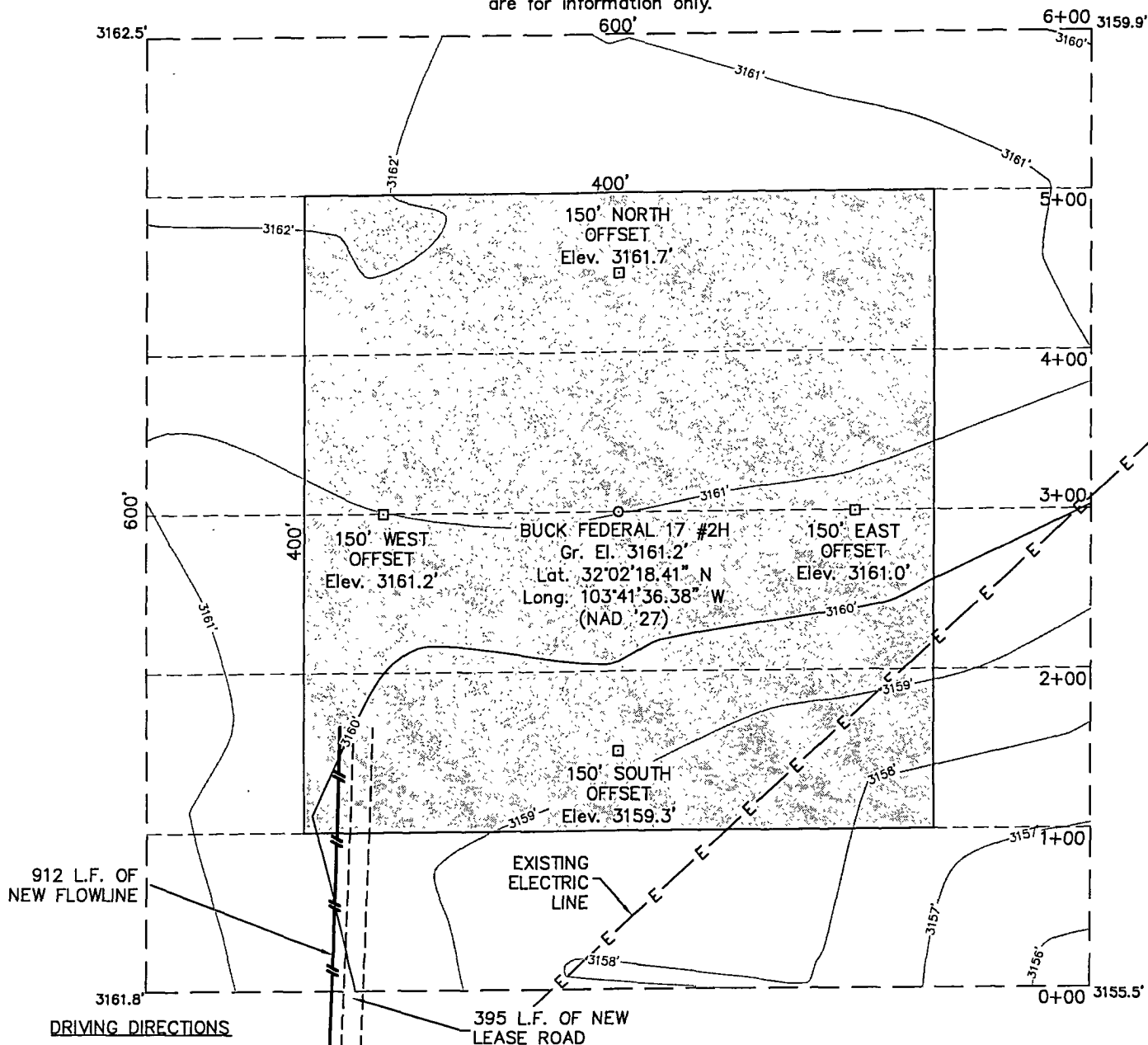
Certificate No. MACON McDONALD 12185

SECTION 17, TOWNSHIP 26 SOUTH, RANGE 32 EAST, N.M.P.M.

LEA COUNTY

NEW MEXICO

THIS IS NOT A BOUNDARY SURVEY
Apparent property corners and property lines, if shown,
are for information only.



DRIVING DIRECTIONS

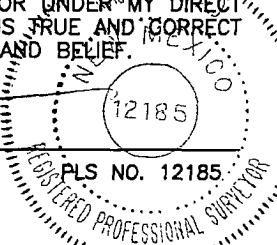
FROM THE INTERSECTION OF HIGHWAY 128 AND COUNTY ROAD 1, APPROXIMATELY 30 MILES WEST OF JAL, NEW MEXICO. GO SOUTH ON SAID COUNTY ROAD 1 FOR 13.0 MILES. LOCATION IS APPROXIMATELY 250 FEET TO THE WEST.



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM AN ACTUAL SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THE SAME IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Macon McDonald

MACON McDONALD



110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

ConocoPhillips

Topographic Map

BUCK FEDERAL 17 #2H

Located 1105' FSL & 1650' FEL, Section 17
Township 26 South, Range 32 East, N.M.P.M.
Lea County, New Mexico

Drawn By: JCC	Date: November 3, 2011
Scale: 1" = 100'	Field Book: 534 / 21-22
Sheet 1 of 3	Quadrangle: Paduca Breaks West
W.O. No: 2011-1437	Dwg. No.: L-2011-1437-A

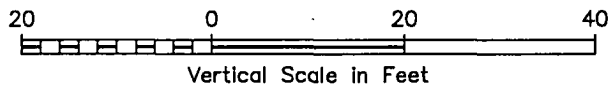
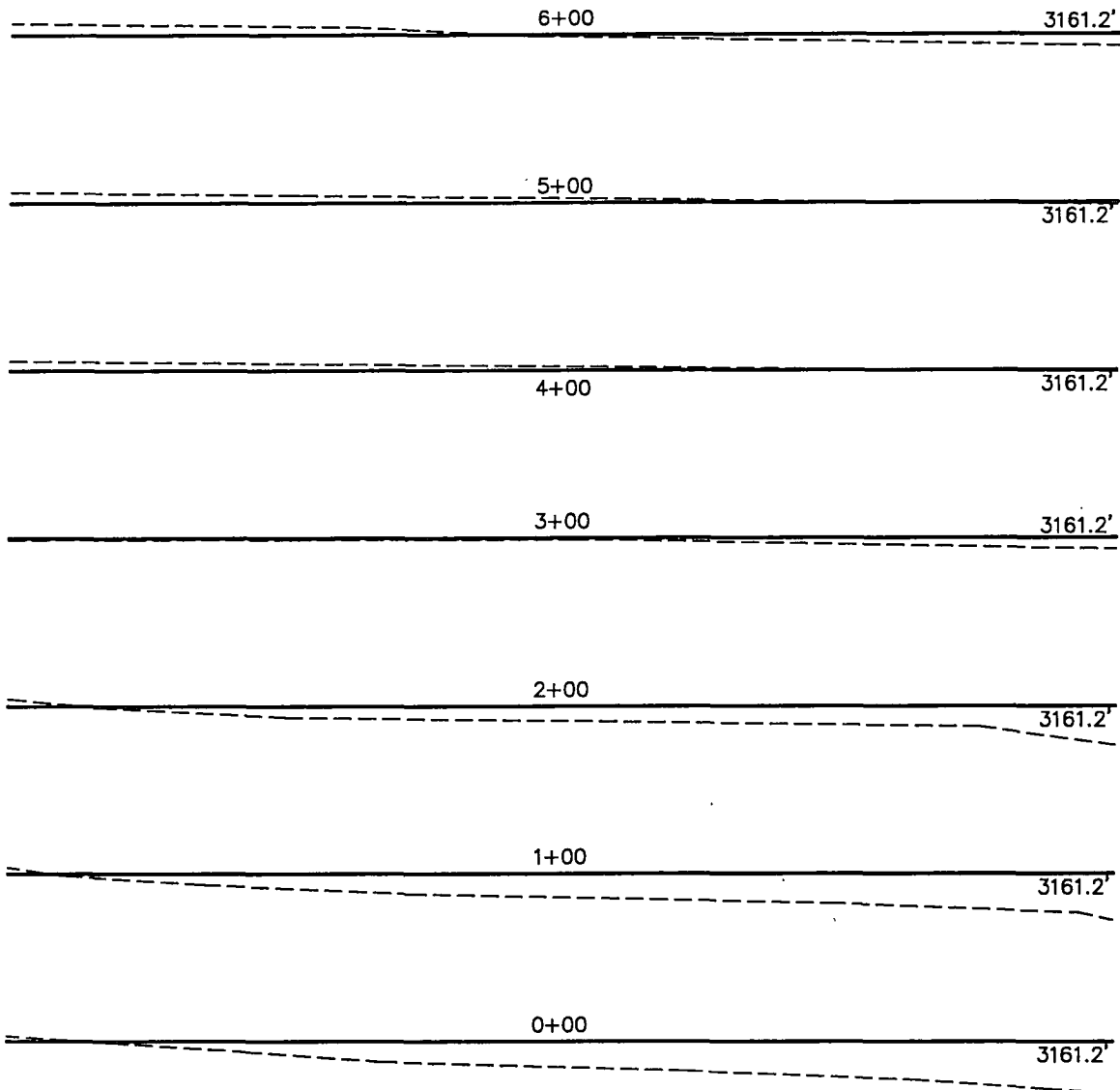
SECTION 17, TOWNSHIP 26 SOUTH, RANGE 32 EAST, N.M.P.M.

LEA COUNTY

NEW MEXICO

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L-2011-1437-B



I HEREBY CERTIFY THAT THIS PLAT WAS MADE FROM
AN ACTUAL SURVEY MADE BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT THE SAME IS TRUE AND CORRECT
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

Macon McDonald

MACON McDONALD

12185

PLS NO. 12185



110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

ConocoPhillips

Topographic Map

BUCK FEDERAL 17 #2H

Located 1105' FSL & 1650' FEL, Section 17
Township 26 South, Range 32 East, N.M.P.M.
Lea County, New Mexico

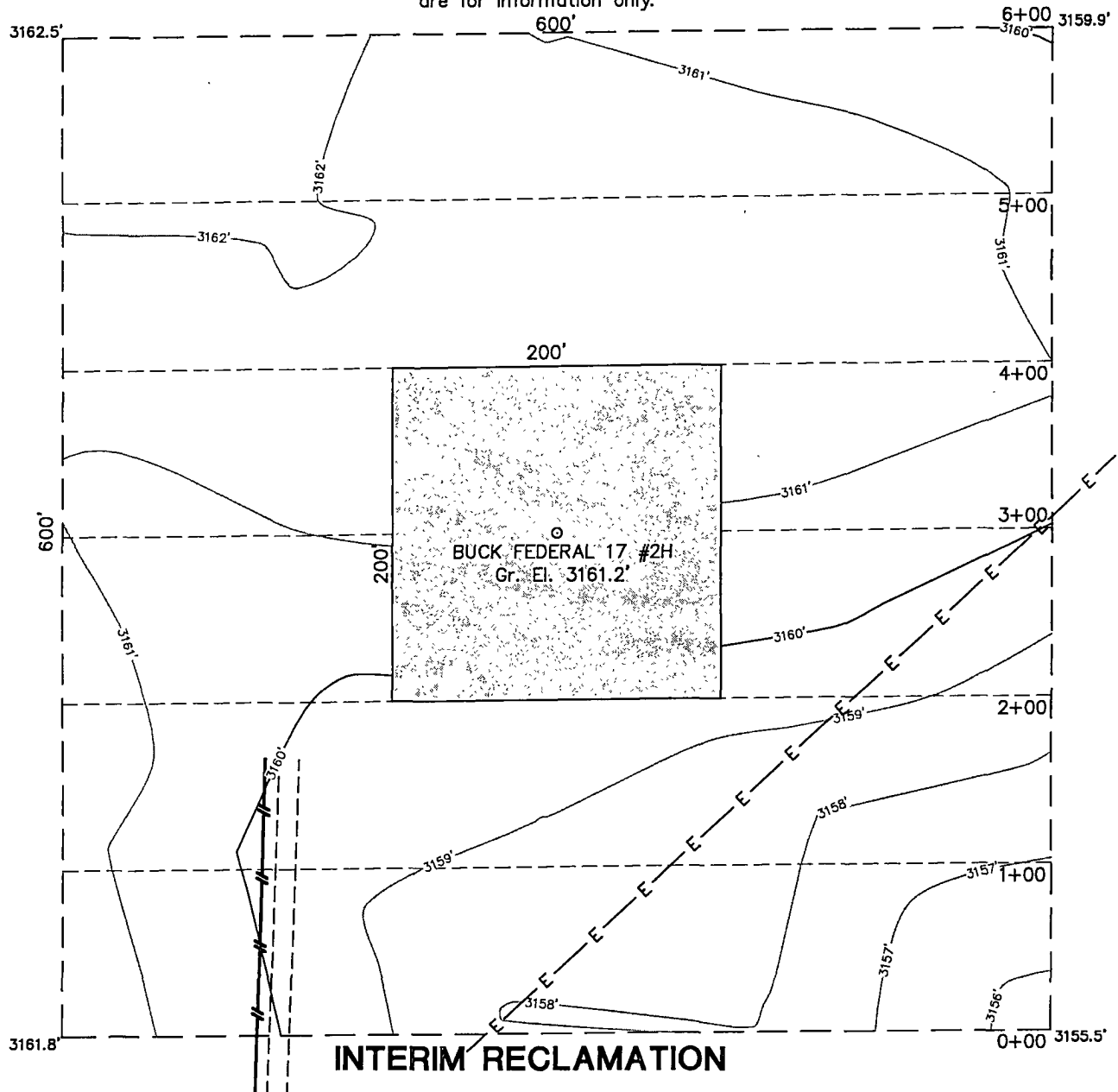
Drawn By: JCC	Date: November 3, 2011
Scale: 1" = 100'	Field Book: 534 / 21-22
Sheet 2 of 3	Quadrangle: Paduca Breaks West
W.O. No: 2011-1437	Dwg. No.: L-2011-1437-B

SECTION 17, TOWNSHIP 26 SOUTH, RANGE 32 EAST, N.M.P.M.

LEA COUNTY

NEW MEXICO

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AN ACTUAL SURVEY MADE BY ME OR UNDER MY DIRECT
SUPERVISION AND THAT THE SAME IS TRUE AND CORRECT
TO THE BEST OF MY KNOWLEDGE AND BELIEF.

[Signature]
MACON McDONALD
REGISTERED PROFESSIONAL SURVEYOR
PLS NO. 12185



110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

ConocoPhillips

Topographic Map

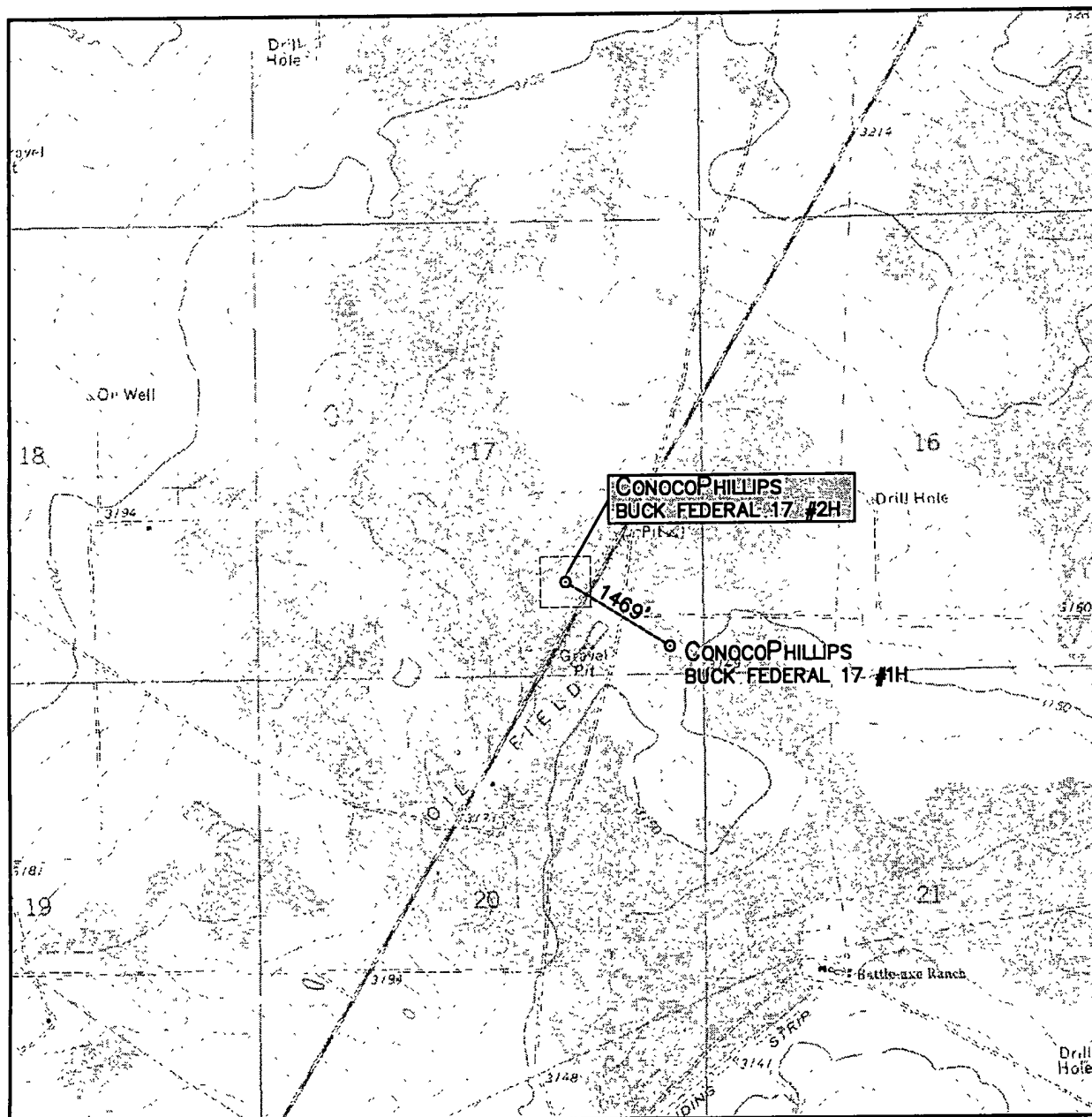
BUCK FEDERAL 17 #2H

Located 1105' FSL & 1650' FEL, Section 17
Township 26 South, Range 32 East, N.M.P.M.
Lea County, New Mexico

Drawn By: JCC	Date: November 3, 2011
Scale: 1" = 100'	Field Book: 534 / 21-22
Sheet 3 of 3	Quadrangle: Paduca Breaks West
W.O. No: 2011-1437	Dwg. No.: L-2011-1437-C

L-2011-1437-C

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
PADUCA BREAKS WEST - 10'

SEC. 17 TWP. 26-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1105' FSL & 1650' FEL

ELEVATION 3161'

OPERATOR CONOCOPHILLIPS

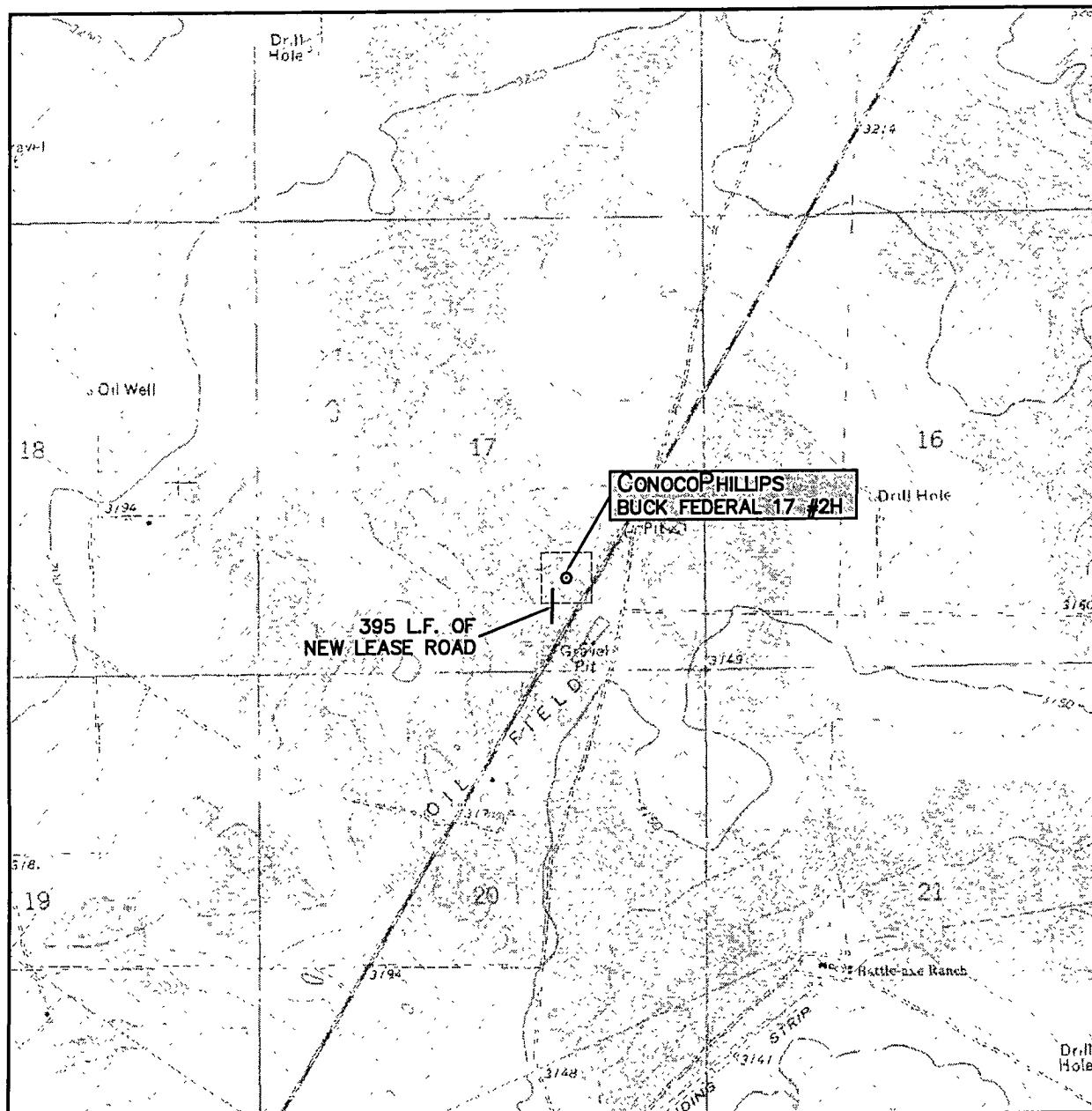
LEASE BUCK FEDERAL 17

U.S.G.S. TOPOGRAPHIC MAP
PADUCA BREAKS WEST



110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

LOCATION VERIFICATION MAP



CONTOUR INTERVAL:
PADUCA BREAKS WEST - 10'

SEC. 17 TWP. 26-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1105' FSL & 1650' FEL

ELEVATION 3161'

OPERATOR CONOCOPHILLIPS

LEASE BUCK FEDERAL 17

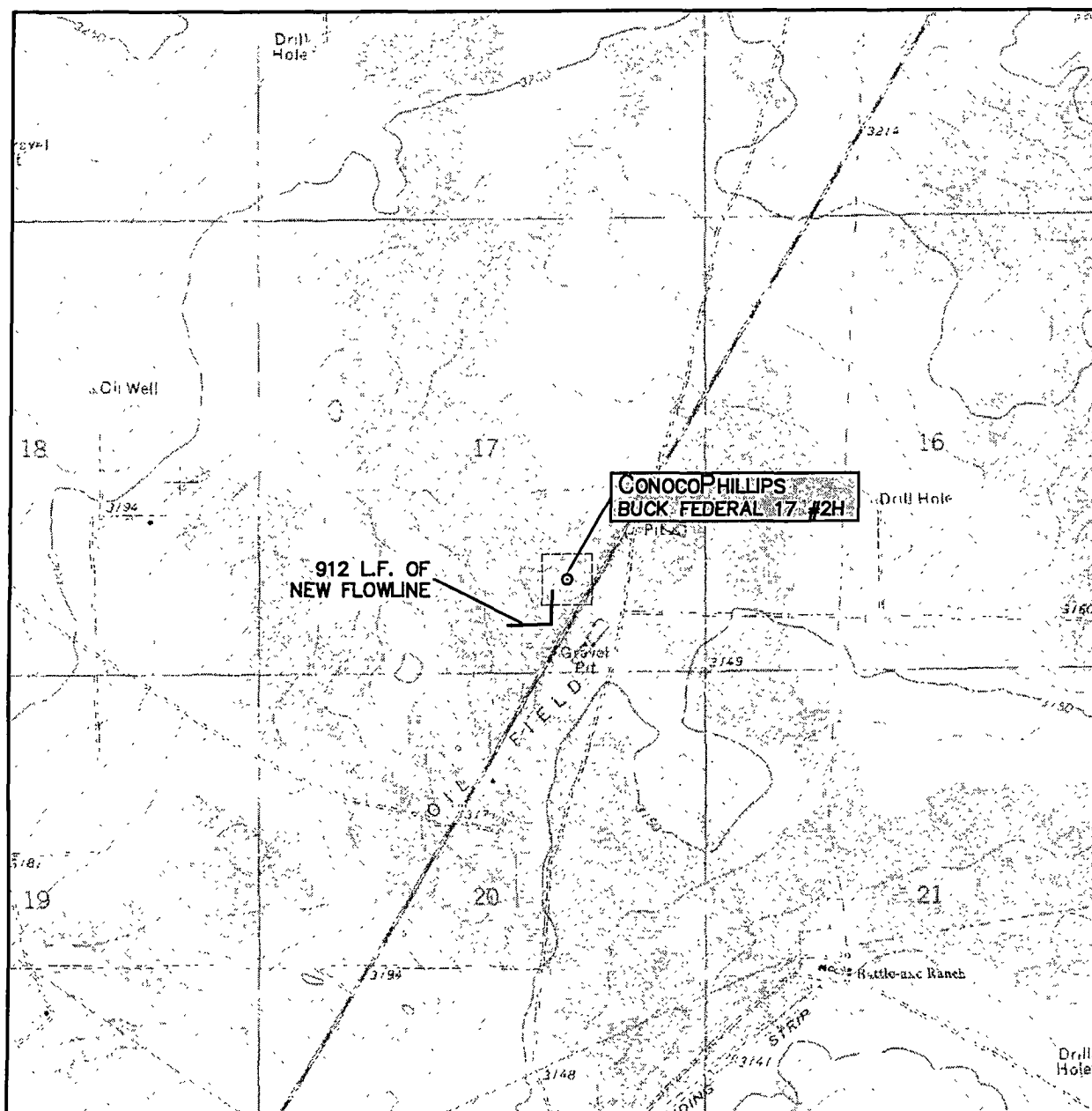
U.S.G.S. TOPOGRAPHIC MAP
PADUCA BREAKS WEST



**WEST
COMPANY**
of Midland, Inc.

110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
PADUCA BREAKS WEST - 10'

SEC. 17 TWP. 26-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1105' FSL & 1650' FEL

ELEVATION 3161'

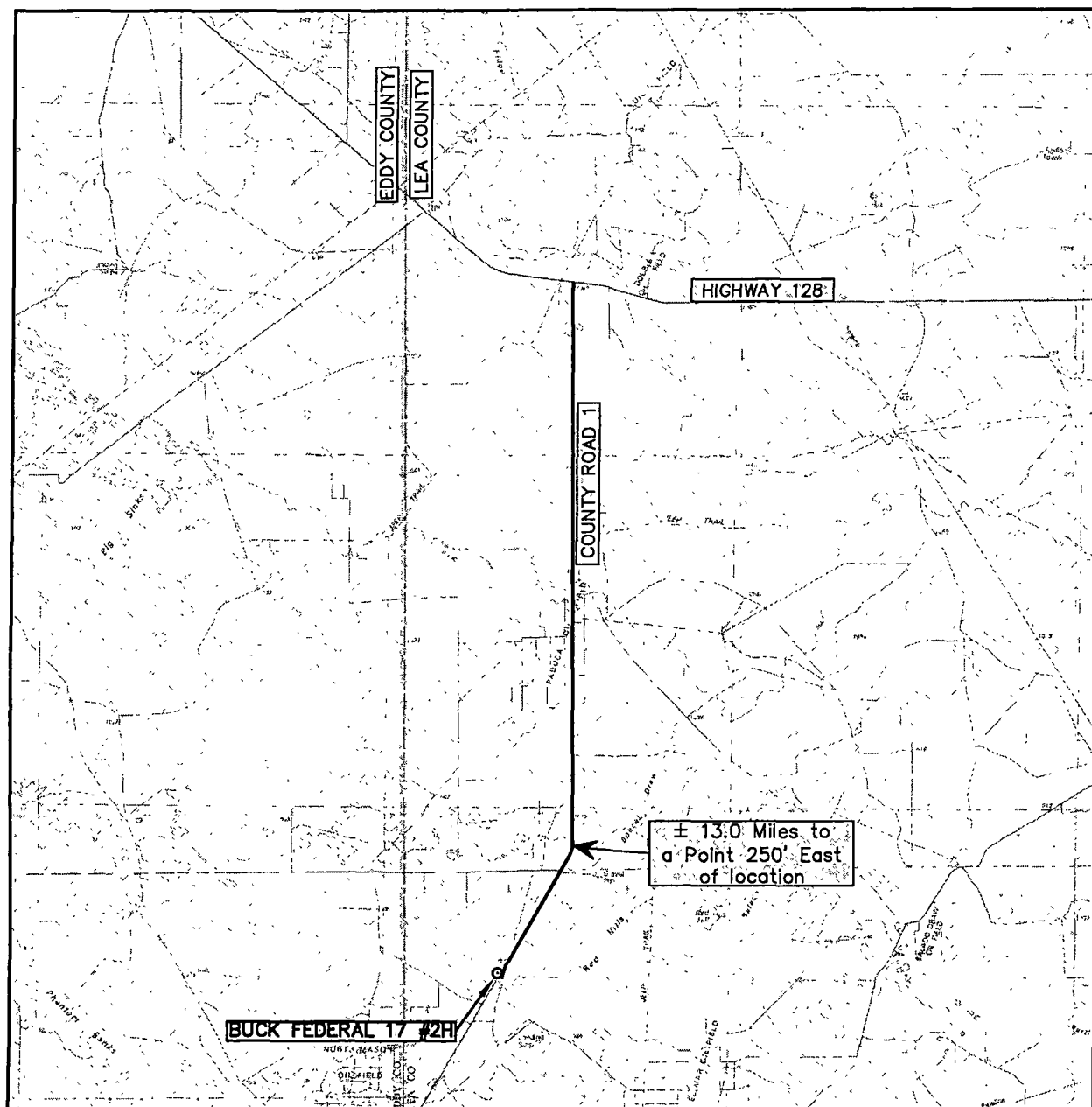
OPERATOR CONOCOPHILLIPS

LEASE BUCK FEDERAL 17

U.S.G.S. TOPOGRAPHIC MAP
PADUCA BREAKS WEST



110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX



SCALE: 1" = 3 MILES

SEC. 17 TWP. 26-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 1105' FSL & 1650' FEL

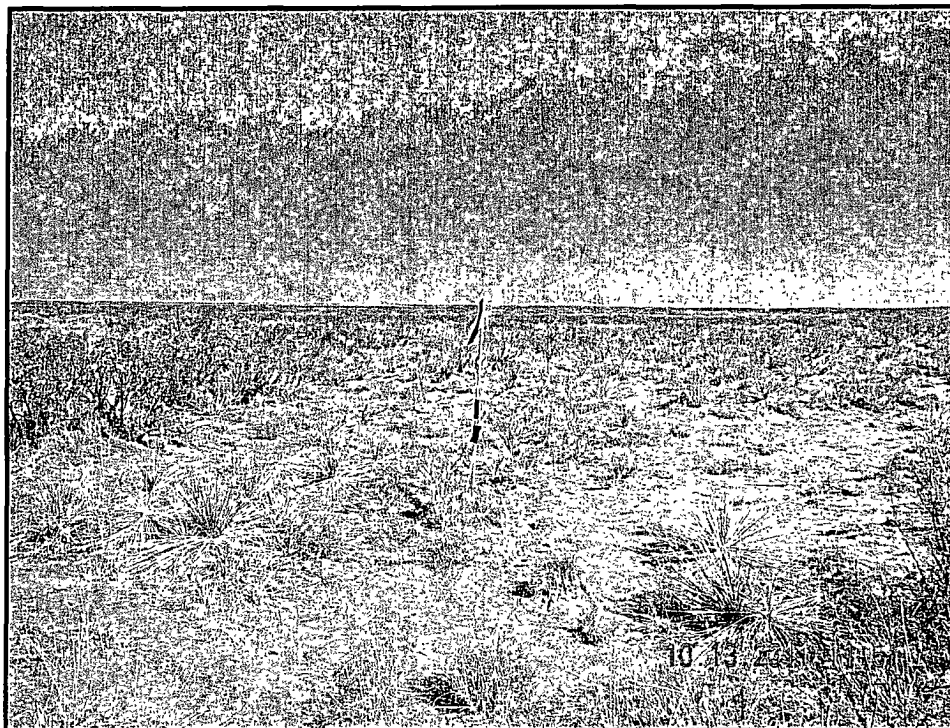
ELEVATION 3161'

OPERATOR CONOCO PHILLIPS

LEASE BUCK FEDERAL 17



110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX



NORTHERLY VIEW TO LOCATION STAKE



WESTERLY VIEW TO LOCATION STAKE

ConocoPhillips

BUCK FEDERAL 17 #2H

Located 1105' FSL & 1650' FEL, Section 17
Township 28 South, Range 32 East, N.M.P.M.
Lea County, New Mexico



110 W. LOUISIANA, STE. 110
MIDLAND TEXAS, 79701
(432) 687-0865 - (432) 687-0868 FAX

Drawn By: JCC

Date: November 3, 2011