



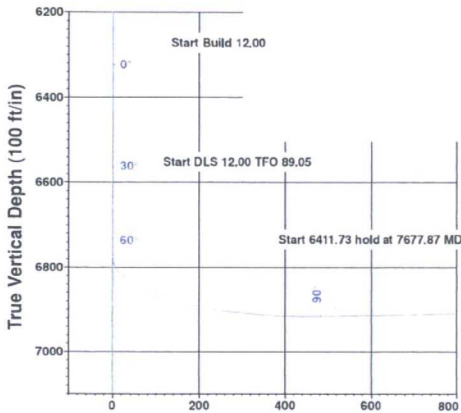
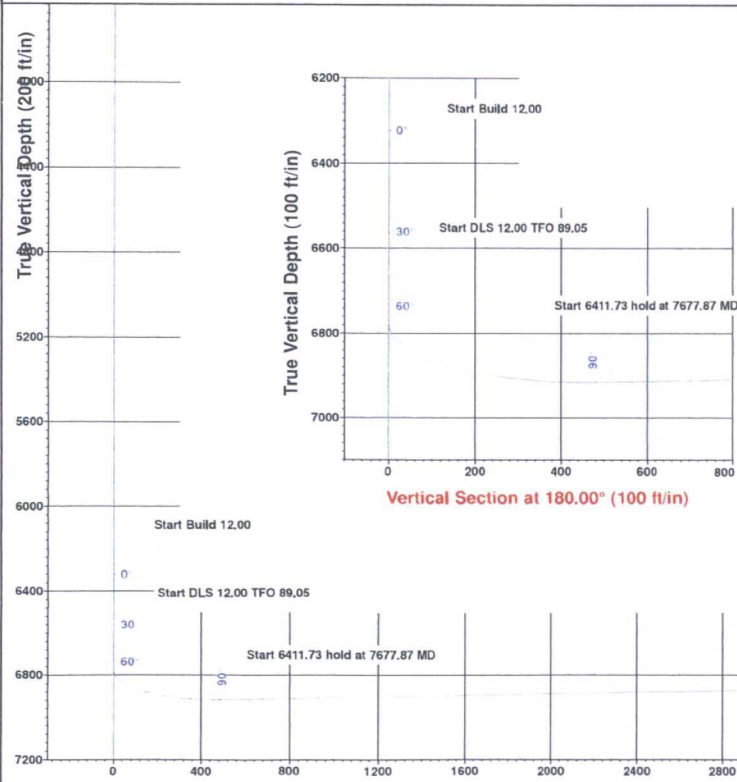
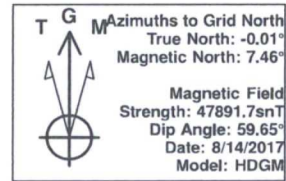
Chisholm Energy Holdings, LLC
Project: Eddy County, NM (NAD83)
Site: Sec. 29, T26 S, 26 E
Well: Cottonwood 29-32 Fed Com 2H
Wellbore: Wellbore #1
Plan: Plan #1 (Cottonwood 29-32 Fed Com 2H/Wellbore #1)
Nabors M55



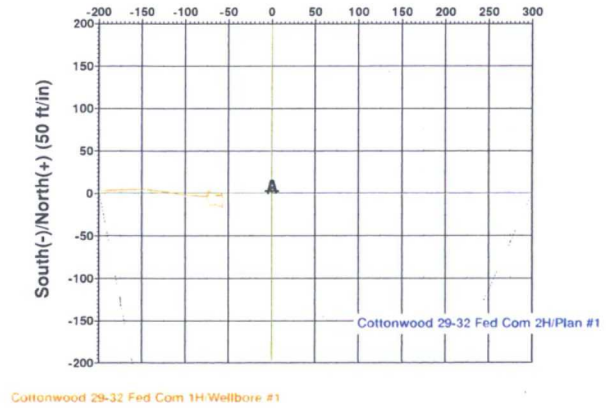
WELL DETAILS: Cottonwood 29-32 Fed Com 2H
Ground Elevation:: 3433.00
RKB Elevation: KB=22' @ 3455.00ft (Nabors M55)
Rig Name: Nabors M55
Northing 370999.0000 Easting 545568.9000 Latitude 32° 1' 11.8400 N Longitude 104° 19' 10.8486 W

PROJECT DETAILS: Eddy County, NM (NAD83)
Geodetic System: US State Plane 1983
Datum: North American Datum 1983
Ellipsoid: GRS 1980
Zone: New Mexico Eastern Zone
System Datum: Mean Sea Level
Local North: Grid

Planned Section Details											Annotation
Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	Dleg	TFace	VSec		
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		Start Build 12.00 Start DLS 12.00 TFO 89.05 Start 6411.73 hold at 7677.87 MD TD at 14089.60
2	6323.64	0.00	0.00	6323.64	0.00	0.00	0.00	0.00	0.00		
3	6925.31	72.20	90.00	6778.25	0.00	331.51	12.00	90.00	0.00		
4	7677.87	91.00	180.00	6916.62	-479.96	788.54	12.00	89.05	479.96		
5	14089.60	91.00	180.00	6804.72	-6890.71	788.20	0.00	0.00	6890.71		



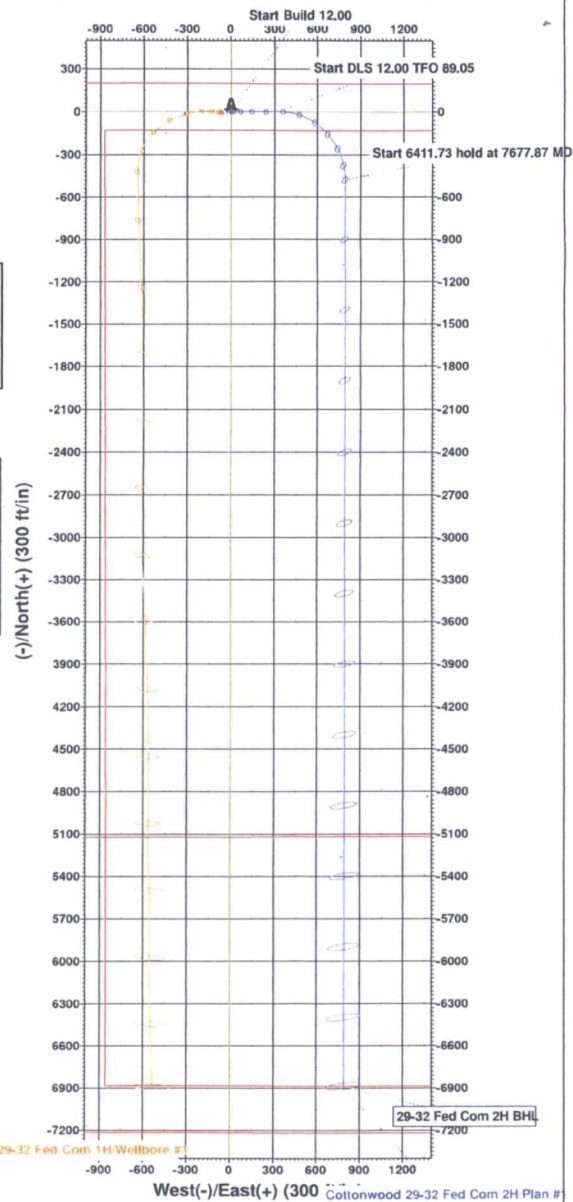
Vertical Section at 180.00° (100 ft/in)



Cottonwood 29-32 Fed Com 1H/Wellbore #1

91.00 Deg INC
6925.00 TVD at 0 VS

Vertical Section at 180.00° (200 ft/in)



29-32 Fed Com 2H BHL
Cottonwood 29-32 Fed Com 2H Plan #1



NM OIL CONSERVATION
ARTESIA DISTRICT

AUG 29 2017

RECEIVED

Chisholm Energy Holdings, LLC

Eddy County, NM (NAD83)
Sec. 29, T26 S, 26 E
Cottonwood 29-32 Fed Com 2H

Wellbore #1

Plan: Plan #1

Standard Survey Report

14 August, 2017



Company: Chisholm Energy Holdings, LLC
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Local Co-ordinate Reference: Well Cottonwood 29-32 Fed Com 2H
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MD Reference: KB=22' @ 3455.00ft (Nabors M55)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Multi User Db

Project	Eddy County, NM (NAD83)		
Map System:	US State Plane 1983	System Datum:	Mean Sea Level
Geo Datum:	North American Datum 1983		
Map Zone:	New Mexico Eastern Zone		

Site	Sec. 29, T26 S, 26 E		
Site Position:		Northing:	370,999.0000 usft
From:	Map	Easting:	545,508.9000 usft
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16 "
		Latitude:	32° 1' 11.8400 N
		Longitude:	104° 19' 11.5456 W
		Grid Convergence:	0.01 °

Well	Cottonwood 29-32 Fed Com 2H		
Well Position	+N/-S	0.00 ft	Northing: 370,999.0000 usft
	+E/-W	0.00 ft	Easting: 545,568.9000 usft
Position Uncertainty	0.00 ft	Wellhead Elevation:	0.00 ft
		Latitude:	32° 1' 11.8400 N
		Longitude:	104° 19' 10.8486 W
		Ground Level:	3,433.00 ft

Wellbore	Wellbore #1				
Magnetics	Model Name	Sample Date	Declination (°)	Dip Angle (°)	Field Strength (nT)
	HDGM	8/14/2017	7.47	59.65	47,892

Design	Plan #1				
Audit Notes:					
Version:	Phase:	PLAN	Tie On Depth:	0.00	
Vertical Section:	Depth From (TVD) (ft)	+N/-S (ft)	+E/-W (ft)	Direction (°)	
	0.00	0.00	0.00	180.00	

Survey Tool Program	Date 8/14/2017				
From (ft)	To (ft)	Survey (Wellbore)	Tool Name	Description	
0.00	14,088.81	Plan #1 (Wellbore #1)	MWD	MWD - Standard	

Planned Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	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	
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	
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	

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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
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
1,800.00	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
2,000.00	0.00	0.00	2,000.00	0.00	0.00	0.00	0.00	0.00	0.00
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
3,600.00	0.00	0.00	3,600.00	0.00	0.00	0.00	0.00	0.00	0.00
3,700.00	0.00	0.00	3,700.00	0.00	0.00	0.00	0.00	0.00	0.00
3,800.00	0.00	0.00	3,800.00	0.00	0.00	0.00	0.00	0.00	0.00
3,900.00	0.00	0.00	3,900.00	0.00	0.00	0.00	0.00	0.00	0.00
4,000.00	0.00	0.00	4,000.00	0.00	0.00	0.00	0.00	0.00	0.00
4,100.00	0.00	0.00	4,100.00	0.00	0.00	0.00	0.00	0.00	0.00
4,200.00	0.00	0.00	4,200.00	0.00	0.00	0.00	0.00	0.00	0.00
4,300.00	0.00	0.00	4,300.00	0.00	0.00	0.00	0.00	0.00	0.00
4,400.00	0.00	0.00	4,400.00	0.00	0.00	0.00	0.00	0.00	0.00
4,500.00	0.00	0.00	4,500.00	0.00	0.00	0.00	0.00	0.00	0.00
4,600.00	0.00	0.00	4,600.00	0.00	0.00	0.00	0.00	0.00	0.00
4,700.00	0.00	0.00	4,700.00	0.00	0.00	0.00	0.00	0.00	0.00
4,800.00	0.00	0.00	4,800.00	0.00	0.00	0.00	0.00	0.00	0.00
4,900.00	0.00	0.00	4,900.00	0.00	0.00	0.00	0.00	0.00	0.00
5,000.00	0.00	0.00	5,000.00	0.00	0.00	0.00	0.00	0.00	0.00
5,100.00	0.00	0.00	5,100.00	0.00	0.00	0.00	0.00	0.00	0.00
5,200.00	0.00	0.00	5,200.00	0.00	0.00	0.00	0.00	0.00	0.00
5,300.00	0.00	0.00	5,300.00	0.00	0.00	0.00	0.00	0.00	0.00

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Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
5,400.00	0.00	0.00	5,400.00	0.00	0.00	0.00	0.00	0.00	0.00
5,500.00	0.00	0.00	5,500.00	0.00	0.00	0.00	0.00	0.00	0.00
5,600.00	0.00	0.00	5,600.00	0.00	0.00	0.00	0.00	0.00	0.00
5,700.00	0.00	0.00	5,700.00	0.00	0.00	0.00	0.00	0.00	0.00
5,800.00	0.00	0.00	5,800.00	0.00	0.00	0.00	0.00	0.00	0.00
5,900.00	0.00	0.00	5,900.00	0.00	0.00	0.00	0.00	0.00	0.00
6,000.00	0.00	0.00	6,000.00	0.00	0.00	0.00	0.00	0.00	0.00
6,100.00	0.00	0.00	6,100.00	0.00	0.00	0.00	0.00	0.00	0.00
6,200.00	0.00	0.00	6,200.00	0.00	0.00	0.00	0.00	0.00	0.00
6,300.00	0.00	0.00	6,300.00	0.00	0.00	0.00	0.00	0.00	0.00
6,323.64	0.00	0.00	6,323.64	0.00	0.00	0.00	0.00	0.00	0.00
Start Build 12.00									
6,400.00	9.16	90.00	6,399.68	0.00	6.09	0.00	12.00	12.00	0.00
6,500.00	21.16	90.00	6,496.02	0.00	32.20	0.00	12.00	12.00	0.00
6,600.00	33.16	90.00	6,584.83	0.00	77.77	0.00	12.00	12.00	0.00
6,700.00	45.16	90.00	6,662.22	0.00	140.81	0.00	12.00	12.00	0.00
6,800.00	57.16	90.00	6,724.82	0.00	218.56	0.00	12.00	12.00	0.00
6,900.00	69.16	90.00	6,769.88	0.00	307.63	0.00	12.00	12.00	0.00
6,925.31	72.20	90.00	6,778.25	0.00	331.51	0.00	12.00	12.00	0.00
Start DLS 12.00 TFO 89.05									
7,000.00	72.57	99.40	6,800.90	-5.83	402.36	5.83	12.00	0.50	12.58
7,100.00	73.75	111.88	6,829.97	-31.60	494.31	31.60	12.00	1.18	12.48
7,200.00	75.65	124.16	6,856.45	-76.85	579.25	76.85	12.00	1.90	12.29
7,300.00	78.16	136.21	6,879.18	-139.61	653.46	139.61	12.00	2.52	12.05
7,400.00	81.18	148.02	6,897.18	-217.13	713.72	217.13	12.00	3.01	11.81
7,500.00	84.55	159.63	6,909.64	-306.03	757.37	306.03	12.00	3.37	11.61
7,600.00	88.14	171.10	6,916.04	-402.41	782.52	402.41	12.00	3.59	11.47
7,677.87	91.00	180.00	6,916.62	-479.96	788.54	479.96	12.00	3.67	11.43
Start 6411.73 hold at 7677.87 MD									
7,700.00	91.00	180.00	6,916.23	-502.09	788.54	502.09	0.00	0.00	0.00
7,800.00	91.00	180.00	6,914.49	-602.07	788.53	602.07	0.00	0.00	0.00
7,900.00	91.00	180.00	6,912.74	-702.06	788.53	702.06	0.00	0.00	0.00
8,000.00	91.00	180.00	6,910.99	-802.04	788.52	802.04	0.00	0.00	0.00
8,100.00	91.00	180.00	6,909.25	-902.03	788.52	902.03	0.00	0.00	0.00
8,200.00	91.00	180.00	6,907.50	-1,002.01	788.51	1,002.01	0.00	0.00	0.00
8,300.00	91.00	180.00	6,905.76	-1,102.00	788.51	1,102.00	0.00	0.00	0.00
8,400.00	91.00	180.00	6,904.01	-1,201.98	788.50	1,201.98	0.00	0.00	0.00
8,500.00	91.00	180.00	6,902.27	-1,301.97	788.50	1,301.97	0.00	0.00	0.00
8,600.00	91.00	180.00	6,900.52	-1,401.95	788.49	1,401.95	0.00	0.00	0.00
8,700.00	91.00	180.00	6,898.78	-1,501.93	788.49	1,501.93	0.00	0.00	0.00
8,800.00	91.00	180.00	6,897.03	-1,601.92	788.48	1,601.92	0.00	0.00	0.00
8,900.00	91.00	180.00	6,895.29	-1,701.90	788.47	1,701.90	0.00	0.00	0.00
9,000.00	91.00	180.00	6,893.54	-1,801.89	788.47	1,801.89	0.00	0.00	0.00
9,100.00	91.00	180.00	6,891.80	-1,901.87	788.46	1,901.87	0.00	0.00	0.00

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9,200.00	91.00	180.00	6,890.05	-2,001.86	788.46	2,001.86	0.00	0.00	0.00
9,300.00	91.00	180.00	6,888.31	-2,101.84	788.45	2,101.84	0.00	0.00	0.00
9,400.00	91.00	180.00	6,886.56	-2,201.83	788.45	2,201.83	0.00	0.00	0.00
9,500.00	91.00	180.00	6,884.82	-2,301.81	788.44	2,301.81	0.00	0.00	0.00
9,600.00	91.00	180.00	6,883.07	-2,401.80	788.44	2,401.80	0.00	0.00	0.00
9,700.00	91.00	180.00	6,881.33	-2,501.78	788.43	2,501.78	0.00	0.00	0.00
9,800.00	91.00	180.00	6,879.58	-2,601.77	788.43	2,601.77	0.00	0.00	0.00
9,900.00	91.00	180.00	6,877.84	-2,701.75	788.42	2,701.75	0.00	0.00	0.00
10,000.00	91.00	180.00	6,876.09	-2,801.74	788.42	2,801.74	0.00	0.00	0.00
10,100.00	91.00	180.00	6,874.34	-2,901.72	788.41	2,901.72	0.00	0.00	0.00
10,200.00	91.00	180.00	6,872.60	-3,001.71	788.41	3,001.71	0.00	0.00	0.00
10,300.00	91.00	180.00	6,870.85	-3,101.69	788.40	3,101.69	0.00	0.00	0.00
10,400.00	91.00	180.00	6,869.11	-3,201.68	788.40	3,201.68	0.00	0.00	0.00
10,500.00	91.00	180.00	6,867.36	-3,301.66	788.39	3,301.66	0.00	0.00	0.00
10,600.00	91.00	180.00	6,865.62	-3,401.65	788.39	3,401.65	0.00	0.00	0.00
10,700.00	91.00	180.00	6,863.87	-3,501.63	788.38	3,501.63	0.00	0.00	0.00
10,800.00	91.00	180.00	6,862.13	-3,601.61	788.37	3,601.61	0.00	0.00	0.00
10,900.00	91.00	180.00	6,860.38	-3,701.60	788.37	3,701.60	0.00	0.00	0.00
11,000.00	91.00	180.00	6,858.64	-3,801.58	788.36	3,801.58	0.00	0.00	0.00
11,100.00	91.00	180.00	6,856.89	-3,901.57	788.36	3,901.57	0.00	0.00	0.00
11,200.00	91.00	180.00	6,855.15	-4,001.55	788.35	4,001.55	0.00	0.00	0.00
11,300.00	91.00	180.00	6,853.40	-4,101.54	788.35	4,101.54	0.00	0.00	0.00
11,400.00	91.00	180.00	6,851.66	-4,201.52	788.34	4,201.52	0.00	0.00	0.00
11,500.00	91.00	180.00	6,849.91	-4,301.51	788.34	4,301.51	0.00	0.00	0.00
11,600.00	91.00	180.00	6,848.17	-4,401.49	788.33	4,401.49	0.00	0.00	0.00
11,700.00	91.00	180.00	6,846.42	-4,501.48	788.33	4,501.48	0.00	0.00	0.00
11,800.00	91.00	180.00	6,844.68	-4,601.46	788.32	4,601.46	0.00	0.00	0.00
11,900.00	91.00	180.00	6,842.93	-4,701.45	788.32	4,701.45	0.00	0.00	0.00
12,000.00	91.00	180.00	6,841.19	-4,801.43	788.31	4,801.43	0.00	0.00	0.00
12,100.00	91.00	180.00	6,839.44	-4,901.42	788.31	4,901.42	0.00	0.00	0.00
12,200.00	91.00	180.00	6,837.69	-5,001.40	788.30	5,001.40	0.00	0.00	0.00
12,300.00	91.00	180.00	6,835.95	-5,101.39	788.30	5,101.39	0.00	0.00	0.00
12,400.00	91.00	180.00	6,834.20	-5,201.37	788.29	5,201.37	0.00	0.00	0.00
12,500.00	91.00	180.00	6,832.46	-5,301.36	788.29	5,301.36	0.00	0.00	0.00
12,600.00	91.00	180.00	6,830.71	-5,401.34	788.28	5,401.34	0.00	0.00	0.00
12,700.00	91.00	180.00	6,828.97	-5,501.33	788.27	5,501.33	0.00	0.00	0.00
12,800.00	91.00	180.00	6,827.22	-5,601.31	788.27	5,601.31	0.00	0.00	0.00
12,900.00	91.00	180.00	6,825.48	-5,701.29	788.26	5,701.29	0.00	0.00	0.00
13,000.00	91.00	180.00	6,823.73	-5,801.28	788.26	5,801.28	0.00	0.00	0.00
13,100.00	91.00	180.00	6,821.99	-5,901.26	788.25	5,901.26	0.00	0.00	0.00
13,200.00	91.00	180.00	6,820.24	-6,001.25	788.25	6,001.25	0.00	0.00	0.00
13,300.00	91.00	180.00	6,818.50	-6,101.23	788.24	6,101.23	0.00	0.00	0.00
13,400.00	91.00	180.00	6,816.75	-6,201.22	788.24	6,201.22	0.00	0.00	0.00

Company: Chisholm Energy Holdings, LLC
Project: Eddy County, NM (NAD83)
Site: Sec. 29, T26 S, 26 E
Well: Cottonwood 29-32 Fed Com 2H
Wellbore: Wellbore #1
Design: Plan #1

Local Co-ordinate Reference: Well Cottonwood 29-32 Fed Com 2H
TVD Reference: KB=22' @ 3455.00ft (Nabors M55)
MD Reference: KB=22' @ 3455.00ft (Nabors M55)
North Reference: Grid
Survey Calculation Method: Minimum Curvature
Database: EDM 5000.1 Multi User Db

Planned Survey

Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)
13,500.00	91.00	180.00	6,815.01	-6,301.20	788.23	6,301.20	0.00	0.00	0.00
13,600.00	91.00	180.00	6,813.26	-6,401.19	788.23	6,401.19	0.00	0.00	0.00
13,700.00	91.00	180.00	6,811.52	-6,501.17	788.22	6,501.17	0.00	0.00	0.00
13,800.00	91.00	180.00	6,809.77	-6,601.16	788.22	6,601.16	0.00	0.00	0.00
13,900.00	91.00	180.00	6,808.03	-6,701.14	788.21	6,701.14	0.00	0.00	0.00
14,000.00	91.00	180.00	6,806.28	-6,801.13	788.21	6,801.13	0.00	0.00	0.00
14,089.60	91.00	180.00	6,804.72	-6,890.71	788.20	6,890.71	0.00	0.00	0.00

TD at 14089.60 - 29-32 Fed Com 2H BHL

Design Targets
Target Name

- hit/miss target - Shape	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude
29-32 Fed Com 2H BI - plan hits target center - Point	0.00	0.00	6,804.72	-6,890.71	788.20	364,108.3000	546,357.1000	32° 0' 3.6458 N	104° 19' 1.7050 W

Plan Annotations

Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates		Comment
		+N/-S (ft)	+E/-W (ft)	
6324	6324	0	0	Start Build 12.00
6925	6778	0	332	Start DLS 12.00 TFO 89.05
7678	6917	-480	789	Start 6411.73 hold at 7677.87 MD
14,090	6805	-6891	788	TD at 14089.60

Checked By: _____ Approved By: _____ Date: _____

NM OIL CONSERVATION

ARTESIA DISTRICT

Form C-102

AUG 29 2017

Revised August 1, 2011

DISTRICT I

1625 N. French Dr., Hobbs, NM 88240
Phone (505) 393-8161 Fax: (505) 393-0720

DISTRICT II

811 S. First St., Artesia, NM 88210
Phone (505) 746-1283 Fax: (505) 746-0720

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone (505) 334-6176 Fax: (505) 334-6170

DISTRICT IV

1226 S. St. Francis Dr., Santa Fe, NM 87505
Phone (505) 476-3460 Fax: (505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1226 South St. Francis Dr.
Santa Fe, New Mexico 87505

Submit one copy to appropriate
District Office

RECEIVED

WELL LOCATION AND ACREAGE DEDICATION PLAT

☒ AMENDED REPORT

API Number 300-015-43704	Pool Code	Pool Name Wildcat: Bone String
Property Code	Property Name COTTONWOOD 29-32 FED COM 2BS	Well Number 2H
OGRID No. 32137	Operator Name CHISHOLM ENERGY OPERATING, LLC	Elevation 3433'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	FEET from the	North/SOUTH LINE	FEET from the	East/West Line	County
D	29	26 S	26 E		200	NORTH	1205	WEST	EDDY

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
LOT 3	32	26 S	26 E		330	SOUTH	1980	WEST	EDDY

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
223.02			

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

SURFACE LOCATION
Lat - N 32.01995543°
Long - W 104.31968018°
NMSPC- N 370999.0
E 545568.9
(NAD-83)

PENETRATION POINT
Lat - N 32.01959575°
Long - W 104.31717922°
NMSPC- N 370868.2
E 546344.0
(NAD-83)

BOTTOM HOLE LOCATION
Lat - N 32.001012713°
Long - W 104.317140274°
NMSPC- N 364108.3
E 546357.1
(NAD-83)

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.

Bettie Watson 8/14/17
Signature Date

Bettie Watson
Printed Name
bettie@watsonreg.com
Email Address

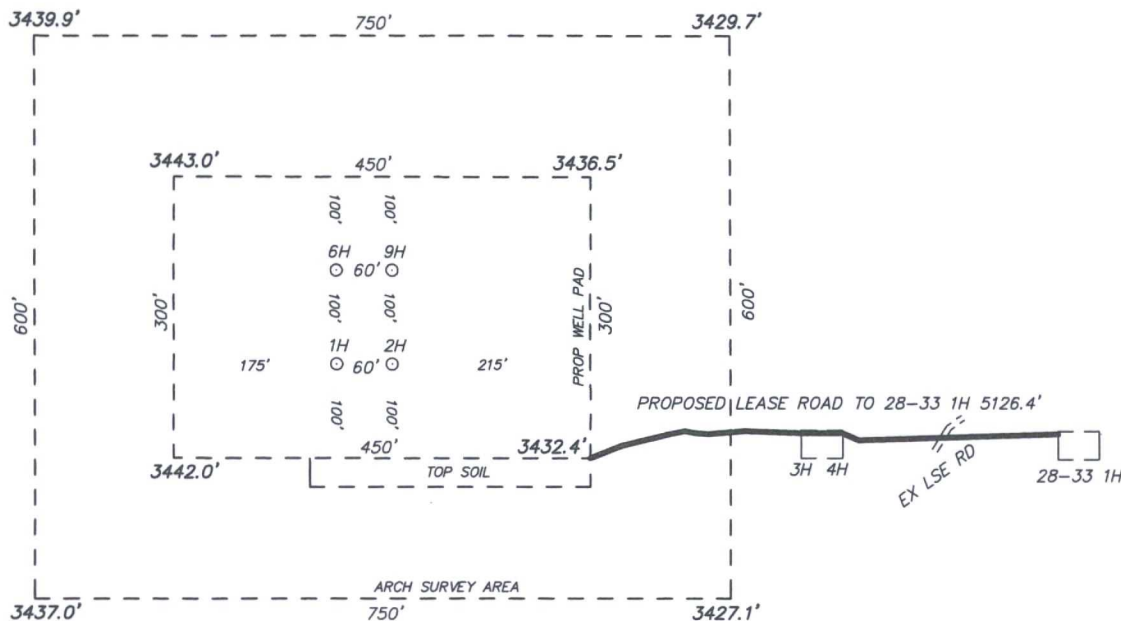
SURVEYOR CERTIFICATION
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

Gary L. Jones
Date Surveyed Signature & Seal of Professional Surveyor
7977

Certificate of Survey
Basin Survey
7977

0' 1000' 2000' 3000' 4000'
SCALE: 1" = 2000'
WO Num.: 33111

SECTION 29, TOWNSHIP 26 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



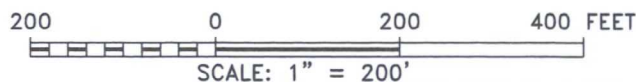
CHISHOLM ENERGY OPERATING, LLC
COTTONWOOD 29-32 FED COM 2BS 2H
ELEV. - 3433'

Lat - N 32.01995543°
Long - W 104.31968018°
NMSPCE- N 370999.0
E 545568.9
(NAD-83)

Directions to Location:

FROM THE INTERSECTION OF GYPSUM & DILLAHUNTY
ROAD GO SOUTH ON, ON DILLAHUNTY GO SOUTH 1.2
MILES TO LEASE ROAD, CONTINUE 1.2 MILES
SOUTHERLY TO PROPOSED LEASE ROAD.

WHITE CITY, NM IS ±11 MILES TO THE NORTHWEST OF LOCATION.



CHISHOLM ENERGY OPERATING, LLC

REF: COTTONWOOD 29-32 FED COM 2BS 2H / WELL PAD TOPO

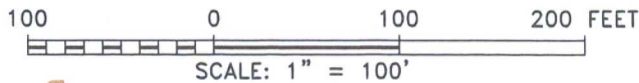
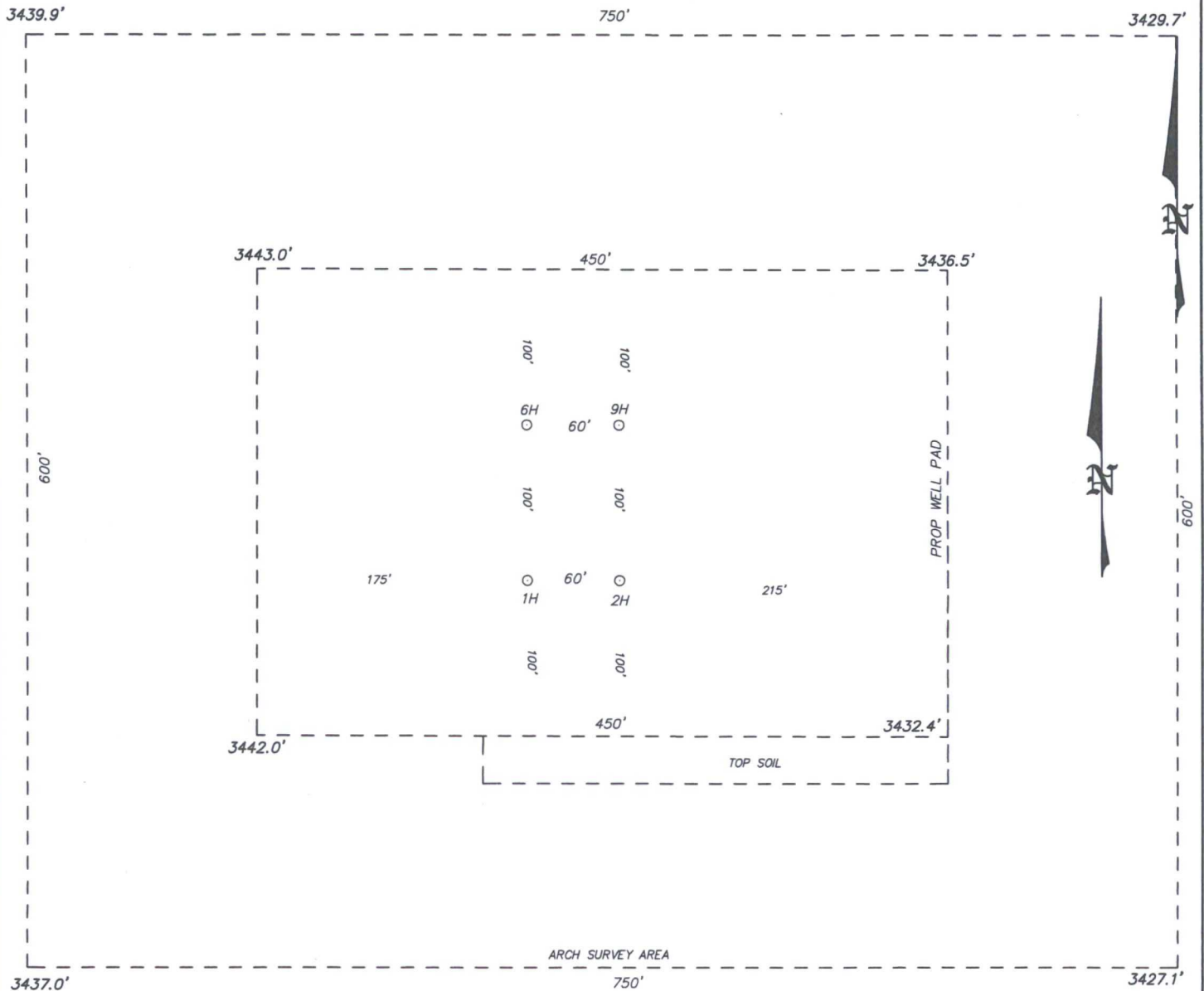
THE COTTONWOOD 29-32 FED COM 2BS 2H LOCATED 200'
FROM THE NORTH LINE AND 1205' FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 26 SOUTH, RANGE 26 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.

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surveys
focused on excellence
in the oilfield

P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basin-surveys.com

W.O. Number: 33111 Drawn By: K. GOAD Date: 07-19-2017 Survey Date: 07-11-2017 Sheet 1 of 1 Sheets

SECTION 29, TOWNSHIP 26 SOUTH, RANGE 26 EAST, N.M.P.M.,
EDDY COUNTY, NEW MEXICO.



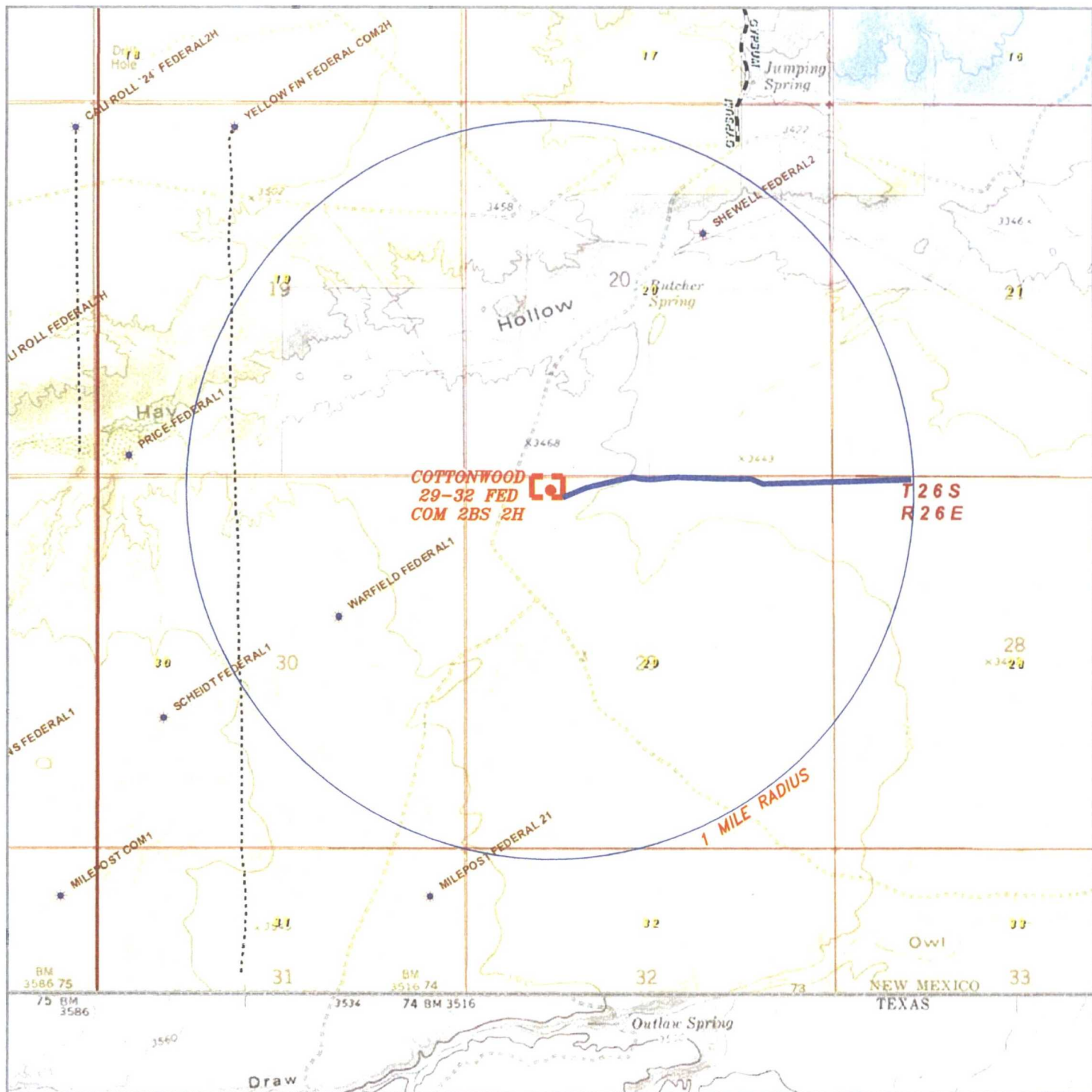
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CHISHOLM ENERGY OPERATING, LLC

REF: COTTONWOOD 29-32 FED COM 2BS 2H / WELL PAD TOPO

THE COTTONWOOD 29-32 FED COM 2BS 2H LOCATED 200'
FROM THE NORTH LINE AND 1205' FROM THE WEST LINE OF
SECTION 29, TOWNSHIP 26 SOUTH, RANGE 26 EAST,
N.M.P.M., EDDY COUNTY, NEW MEXICO.



COTTONWOOD 29-32 FED COM 2BS 2H

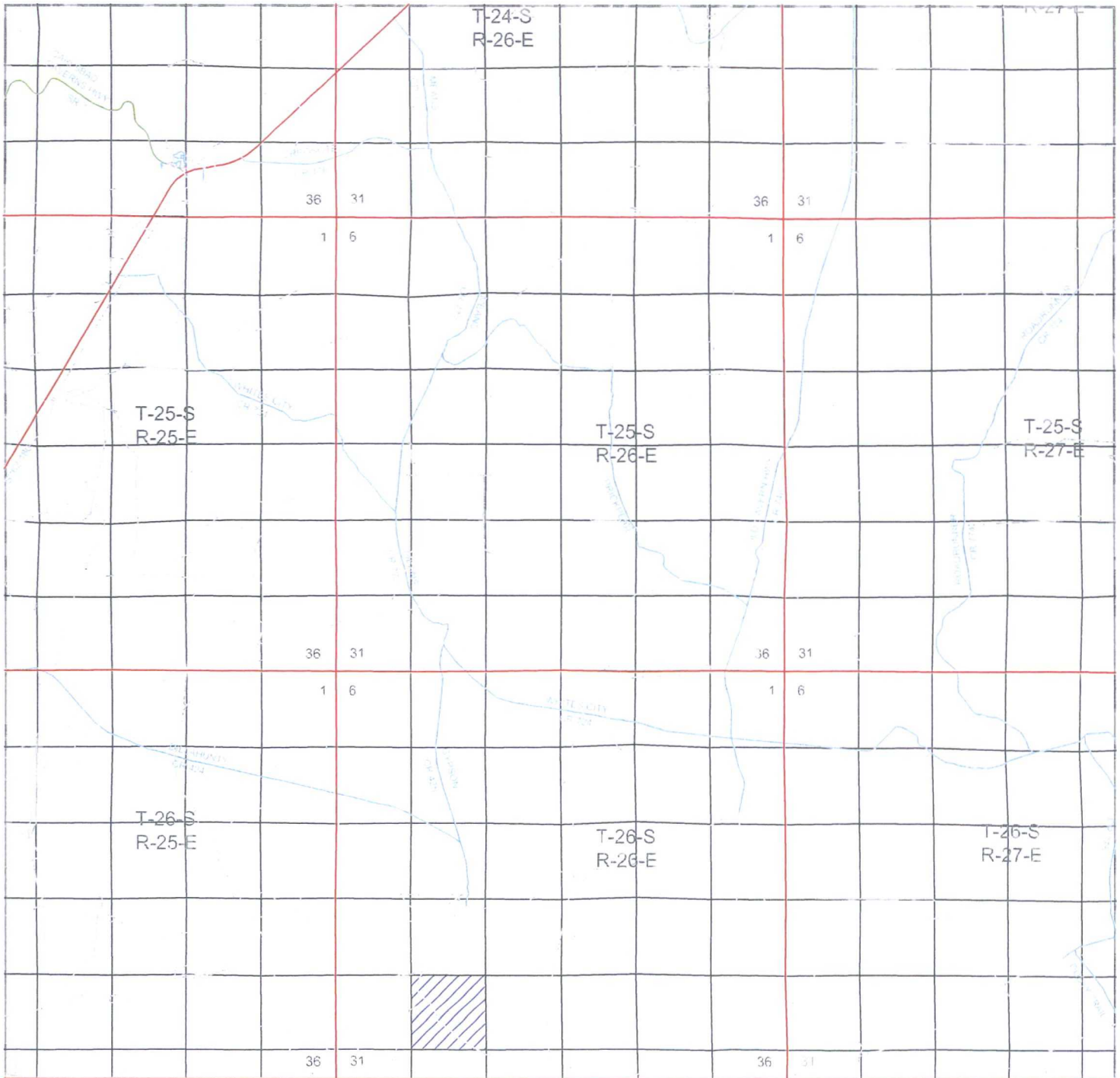
Located 200' FNL and 1205' FWL
 Section 29, Township 26 South, Range 26 East,
 N.M.P.M., Eddy County, New Mexico.

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 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
 (575) 392-2206 - Fax
 basinsurveys.com

0' 1000' 2000' 3000' 4000'
 SCALE: 1" = 2000'
 W.O. Number: KJG 33111
 Survey Date: 07-11-2017
 YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND

CHISHOLM
ENERGY
OPERATING, LLC



COTTONWOOD 29-32 FED COM 2BS 2H

Located 200' FNL and 1205' FWL
 Section 29, Township 26 South, Range 26 East,
 N.M.P.M., Eddy County, New Mexico.



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 1120 N. West County Rd.
 Hobbs, New Mexico 88241
 (575) 393-7316 - Office
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0 1 MI 2 MI 3 MI 4 MI
 SCALE: 1" = 2 MILES

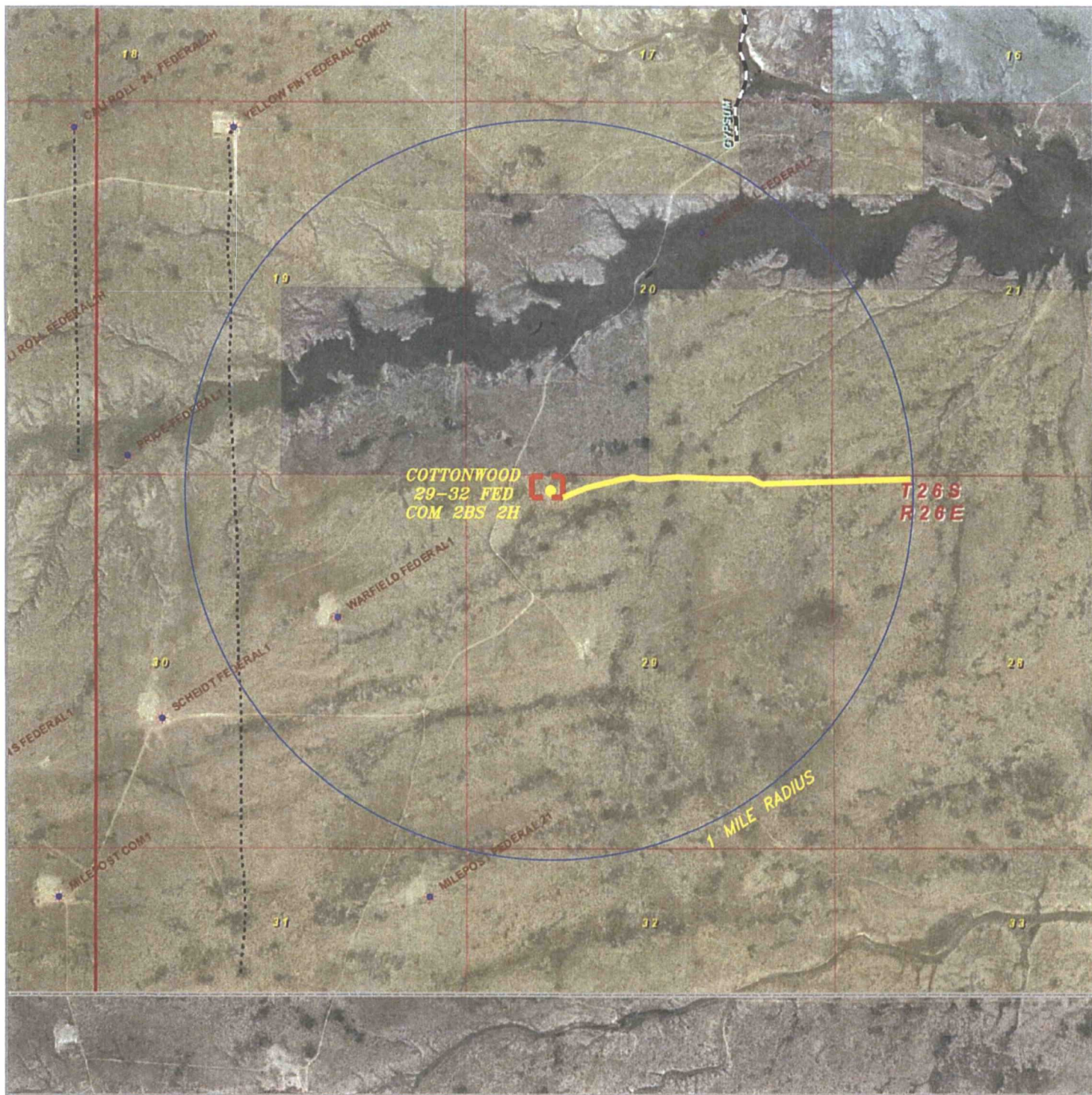
W.O. Number KIG 33111

Survey Date: 07-11-2017

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND



**CHISHOLM
 ENERGY
 OPERATING, LLC**



COTTONWOOD 29-32 FED COM 2BS 2H

Located 200' FNL and 1205' FWL
 Section 29, Township 26 South, Range 26 East,
 N.M.P.M., Eddy County, New Mexico.

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0' 1000' 2000' 3000' 4000'
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W.O. Number: KJG 33111

Survey Date: 07-11-2017

YELLOW TINT - USA LAND
 BLUE TINT - STATE LAND



CHISHOLM
ENERGY
OPERATING, LLC



Haque, Mustafa <mhaque@blm.gov>

Cottonwood 29-32 Fed Com 2BS 2H - Sundry ES#384545

2 messages

Haque, Mustafa <mhaque@blm.gov>
To: Bettie Watson <bwatson@chisholmenergy.com>

Wed, Aug 16, 2017 at 9:47 AM

Hello Bettie,

Since you are requesting for a change in MD and TVD on this sundry, I was wondering if your BHL will remain the same or not. If not, can you please send me an updated C-102.

Regards,

Mustafa Haque

Petroleum Engineer
Bureau of Land Management
620 E Greene St.
Carlsbad, NM-88220
Office : (575)-234-5971

Bettie Watson <bwatson@chisholmenergy.com>
To: "Haque, Mustafa" <mhaque@blm.gov>

Wed, Aug 16, 2017 at 12:10 PM

The bottom hole will stay the same. Thanks

Bettie Watson, Regulatory Manager

817.864.1104 Desk

972.979.0132 Cell

From: Haque, Mustafa [mailto:mhaque@blm.gov]
Sent: Wednesday, August 16, 2017 10:47 AM
To: Bettie Watson <bwatson@chisholmenergy.com>
Subject: Cottonwood 29-32 Fed Com 2BS 2H - Sundry ES#384545

[Quoted text hidden]



COTTONWOOD 29-32 FED COM 2BS 2H - Sundry Loc Plat.pdf
1599K