

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

1220 S. St. Francis Dr., Santa Fe, NM 87505

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JAN 13 2011
HOBBSOCD

State of New Mexico

Energy Minerals and Natural Resources

Form C-101

May 27, 2004

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address Mack Energy Corporation P.O. Box 960 Artesia, NM 88211-0960		OGRID Number 013837
Property Code 38230		Property Name Kite State
Well No. 1		API Number 30-25-39815
Proposed Pool 1 Wildcat Fulk, Abo		Proposed Pool 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	32	14S	32E		2310	South	355	West	Lea

8 Proposed 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
C	32	14S	32E		355	North	2285	West	Lea

Additional Well Information

11 Work Type Code Plug Back	12 Well Type Code O	13 Cable/Rotary Rotary	14 Lease Type Code S	15 Ground Level Elevation 4343' GR
16 Multiple No	17 Proposed Depth 11,919	18 Formation Abo	19 Contractor	20 Spud Date 1/19/2010
Depth to Groundwater 65'		Distance from nearest fresh water well 1000'		Distance from nearest surface water 1000'
Pit Liner: Synthetic ☐ _____ mils thick Clay ☐		Pit Volume: _____ bbls		Drilling Method -
Closed-Loop System ☒		Fresh Water ☒ Brine ☐ Diesel/Oil-based ☐ Gas/Air ☐		

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
14 3/4	9 5/8	36	1430	1175	Surface-In place
8 3/4	7	26	9624	1600	Intermediate-In place
6 1/8	4 1/2	11.6	8980-10651	Open hole packers	In place
6 1/8	4 1/2	11.6	8200-11919	Open hole packers	

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone.

Describe the blowout prevention program, if any. Use additional sheets if necessary.

Mack energy proposes to set cement plug from 8940-9963'. Set whip stock around 8320-8360' and orient northeast, cut hole in 7" casing. Drill horizontally to 11919'. Run 4 1/2 casing from 8200-1919' set using Packers Plus System.

Permit Expires 2 Years From Approval

Date Unless Drilling Underway

Plugback/Horizontal

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOC guidelines ☒ a general permit ☐ , or an (attached) alternative OCD-approved plan. ☐		OIL CONSERVATION DIVISION	
Signature: Jerry W. Sherrell		Approved by: [Signature]	
Printed name: Jerry W. Sherrell		Title: PETROLEUM ENGINEER	
Title: Production Clerk		Approval Date: JAN 14 2011	
E-mail Address: jerrys@mec.com		Expiration Date: JAN 14 2013	
Date: 1/12/11	Phone: (575)748-1288	Conditions of Approval Attached ☐	

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JAN 13 2011

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240

HOBBSOCD

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210

OIL CONSERVATION DIVISION

11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410

DISTRICT IV
11885 S. ST. FRANCIS DR., SANTA FE, NM 87505

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number 30-025-39815	Pool Code 60263 97019	Pool Name Wildcat Talk, Abo
Property Code 38230	Property Name KITE STATE	Well Number 1
OGRID No. 013837	Operator Name MACK ENERGY CORPORATION	Elevation 4343'

Surface Location

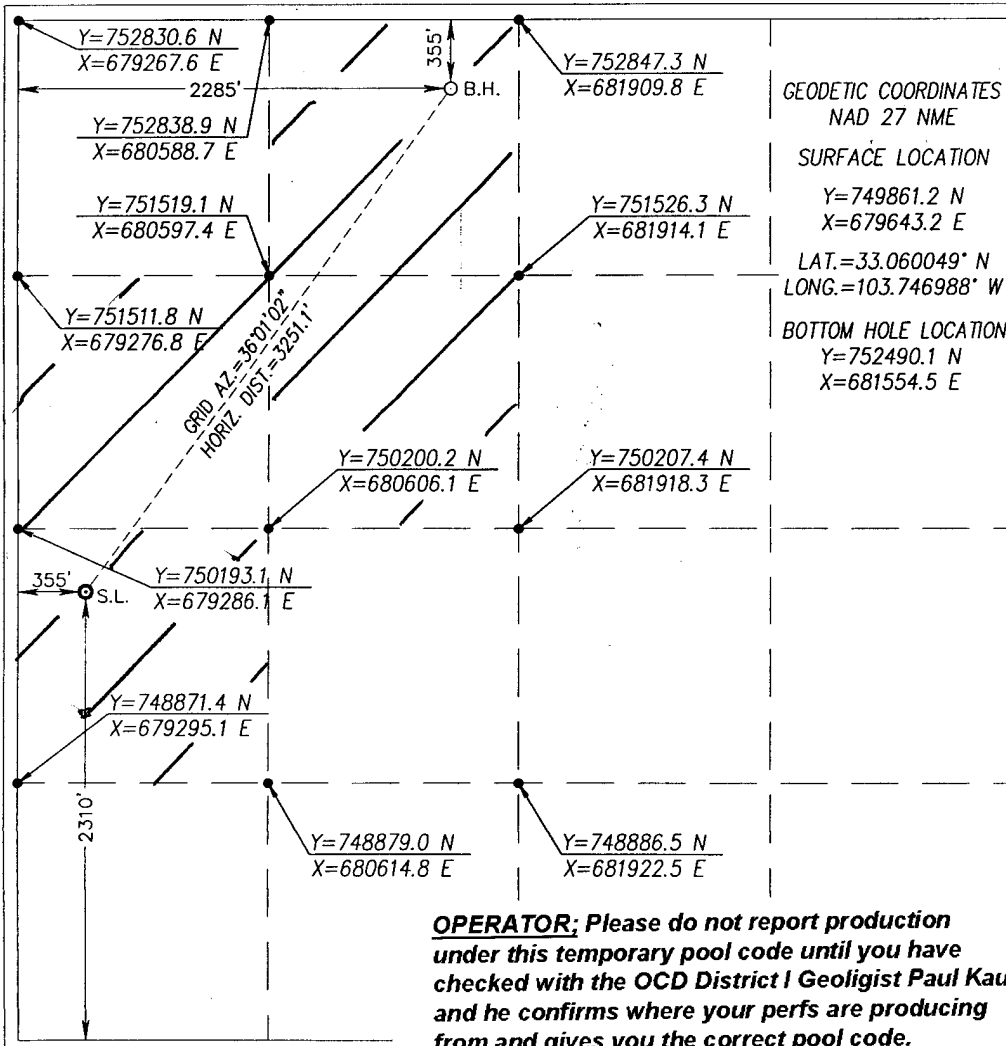
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
L	32	14-S	32-E		2310	SOUTH	355	WEST	LEA

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
C	32	14-S	32-E		355	NORTH	2285	WEST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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



OPERATOR CERTIFICATION

I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Jerry W. Sherrell 1/12/11
Signature Date
Jerry W. Sherrell
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.

JUNE 14, 2010

Date Surveyed DSS
Signature & Seal of Professional Surveyor

Ronald J. Eidson 01/03/2011
11.13.0001
Certificate No. GARY C. EIDSON 12641
RONALD J. EIDSON 3239

OPERATOR: Please do not report production under this temporary pool code until you have checked with the OCD District I Geologist Paul Kautz, and he confirms where your perms are producing from and gives you the correct pool code.



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HOBBSUCD

Mack Energy

Lea County

Kite State Com

#1H

NE Lanier Horizontal

Plan: Design #1

Pathfinder X & Y Planning Report

11 January, 2011

PATHFINDER
A Schlumberger Company



Pathfinder
Pathfinder X & Y Planning Report



A Schlumberger Company

Company:	Mack Energy	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL @ 4362.00usft (19 KB Correction)
Site:	Kile State Com	MD Reference:	WELL @ 4362.00usft (19 KB Correction)
Well:	#1H	North Reference:	Gnd
Wellbore:	NE Lanier Horizontal	Survey Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 5000.1 Single User Db

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

Site:	Kile State Com	Northing:	749,861.200 usft	Latitude:	33° 3' 36.178 N
Site Position:	Map	Easting:	679,643.200 usft	Longitude:	103° 44' 49.155 W
From:	Map	Sid Radius:	13.3-16 "	Grid Convergence:	0.32 °
Position Uncertainty:	0.00 usft				

Well:	#1H	Northing:	749,861.200 usft	Latitude:	33° 3' 36.178 N
Well Position:	+N/-S	Easting:	679,643.200 usft	Longitude:	103° 44' 49.155 W
	+E/-W	Wellhead Elevation:	usft	Ground Level:	4,343.00 usft
Position Uncertainty:	0.00 usft				

Wellbore:	NE Lanier Horizontal	Dip Angle:	60.96	Field Strength:	49.164
Magnetics:	Model Name	Sample Date	Declination (°)		
	IGRF200510	07/30/11	7.76		

Design:	Design #1	Phase:	PLAN	Tie On Depth:	8.357.00
Audit Notes:					
Version:					
Vertical Section:	Depth From (TVD)	+N/-S (usft)	+E/-W (usft)	Direction (°)	
	0.00	0.00	0.00	36.02	



Pathfinder
Pathfinder X & Y Planning Report



A Schlumberger Company

Company: Mack Energy
Project: Lea County
Site: Kile State Com
Well: #1H
Wellbore: NE Lanier Horizontal
Design: Design #1

Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:
Well #1H
WELL @ 4362.00ust (19 KB Correction)
WELL @ 4362.00ust (19 KB Correction)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Survey Tool Program		Date	01/11/11
From	To	Survey (Wellbore)	Tool Name
(ustf)	(ustf)		
6,527.00	8,357.00	MWD #1 (OH)	MWD
8,357.00	11,919.99	Design #1 (NE Lanier Horizontal)	MWD

MD	Inc	Azi	TVD	TVDSS	NS	EW	V. Sec	Dlog	Northing	Easting
(ustf)	(°)	(°)	(ustf)	(ustf)	(ustf)	(ustf)	(ustf)	(°/100ustf)	(ustf)	(ustf)
6,367.00	0.41	304.45	6,366.47	-2,004.47	-6.83	15.59	3.64	0.00	749,854.37	679,656.79
6,527.00	0.79	292.24	6,526.46	-2,164.46	-6.09	14.10	3.36	0.25	749,855.11	679,657.30
6,620.00	0.44	293.01	6,619.46	-2,257.46	-5.71	13.17	3.13	0.38	749,855.49	679,656.37
6,713.00	0.79	299.32	6,712.45	-2,350.45	-5.25	12.29	2.98	0.38	749,855.95	679,656.49
6,900.00	0.35	265.27	6,899.44	-2,537.44	-4.67	10.59	2.45	0.29	749,856.53	679,653.79
7,087.00	0.53	304.36	7,086.44	-2,724.44	-4.23	9.31	2.06	0.18	749,856.97	679,652.51
7,273.00	0.35	312.31	7,272.43	-2,910.43	-3.36	8.18	2.09	0.10	749,857.84	679,651.38
7,428.00	0.35	277.20	7,428.43	-3,066.43	-2.98	7.36	1.92	0.14	749,858.22	679,650.56
7,615.00	0.26	325.36	7,614.42	-3,252.42	-2.56	6.55	1.78	0.14	749,858.64	679,649.75
7,802.00	0.09	317.49	7,801.42	-3,439.42	-2.10	6.21	1.95	0.09	749,859.10	679,649.41
7,989.00	0.18	170.23	7,988.42	-3,626.42	-2.28	6.16	1.78	0.14	749,858.92	679,649.36
8,176.00	0.09	267.62	8,175.42	-3,813.42	-2.58	6.07	1.48	0.11	749,858.62	679,649.27
8,332.00	0.09	79.94	8,331.42	-3,969.42	-2.56	6.06	1.49	0.12	749,858.64	679,649.26
8,357.00	0.12	97.32	8,356.42	-3,994.42	-2.56	6.11	1.52	0.16	749,858.64	679,649.31
8,400.00	4.53	37.17	8,399.38	-4,037.38	-1.22	7.18	3.24	0.40	749,859.98	679,650.38
8,450.00	9.72	36.48	8,448.97	-4,086.97	3.75	10.88	9.44	0.40	749,864.95	679,654.08
8,500.00	14.92	36.27	8,497.81	-4,135.81	12.35	17.21	20.10	0.40	749,873.55	679,660.41
8,550.00	20.12	36.17	8,545.47	-4,183.47	24.49	26.10	35.15	0.40	749,885.69	679,669.30
8,600.00	25.32	36.10	8,591.57	-4,229.57	40.08	37.48	54.46	0.40	749,901.28	679,680.68
8,650.00	30.52	36.06	8,635.74	-4,273.74	58.99	51.26	77.86	0.40	749,920.19	679,694.46
8,700.00	35.72	36.03	8,677.60	-4,315.60	81.07	67.33	105.17	0.40	749,942.27	679,710.53



Pathfinder

Pathfinder X & Y Planning Report



A Schlumberger Company

Company:	Mack Energy	Local Co-ordinate Reference:	Well #1H
Project:	Lea County	TVD Reference:	WELL @ 4362.00usft (19 KB Correction)
Site:	Kile State Com	MD Reference:	WELL @ 4362.00usft (19 KB Correction)
Well:	#1H	North Reference:	Gnd
Wellbore:	NE Lanier Horizontal	Survey/Calculation Method:	Minimum Curvature
Design:	Design #1	Database:	EDM 5000.1 Single User Db

Planned Survey	MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	EW (usft)	V.Sec (usft)	D.Leg (°/100usft)	Northing (usft)	Easting (usft)
	8,750.00	40.91	36.01	8,716.82	-4,354.82	106.14	85.55	136.15	10.40	749,967.34	679,728.75
	8,800.00	46.11	35.99	8,753.07	-4,391.07	133.98	105.78	170.57	10.40	749,995.18	679,748.98
	8,850.00	51.31	35.97	8,786.05	-4,424.05	164.37	127.84	208.12	10.40	750,025.57	679,771.04
	8,900.00	56.51	35.96	8,815.50	-4,453.50	197.06	151.56	248.51	10.40	750,058.26	679,794.76
	8,950.00	61.71	35.94	8,841.16	-4,479.16	231.78	176.74	291.41	10.40	750,092.98	679,819.94
	9,000.00	66.90	35.93	8,862.83	-4,500.83	266.25	203.18	336.45	10.40	750,129.45	679,846.38
	9,050.00	72.10	35.92	8,880.33	-4,518.33	306.16	230.65	383.26	10.40	750,167.36	679,873.85
	9,100.00	77.30	35.91	8,893.52	-4,531.52	345.20	258.93	431.48	10.40	750,206.40	679,902.13
	9,150.00	82.50	35.90	8,902.29	-4,540.29	385.06	287.79	480.58	10.40	750,246.26	679,930.99
	9,200.00	87.70	35.89	8,906.56	-4,544.56	425.40	316.99	530.48	10.40	750,286.60	679,960.19
	9,223.40	90.13	35.89	8,907.00	-4,545.00	444.36	330.71	553.88	10.40	750,305.56	679,973.91
	9,223.58	90.13	35.89	8,907.00	-4,545.00	444.50	330.82	554.06	0.00	750,305.70	679,974.02
	9,300.00	90.13	35.89	8,906.83	-4,544.83	506.41	375.61	630.48	0.00	750,367.61	680,018.81
	9,400.00	90.13	35.89	8,906.60	-4,544.60	587.43	434.24	730.48	0.00	750,448.63	680,077.44
	9,500.00	90.13	35.89	8,906.37	-4,544.37	668.44	492.86	830.48	0.00	750,529.64	680,136.06
	9,600.00	90.13	35.89	8,906.15	-4,544.15	749.45	551.48	930.48	0.00	750,610.65	680,194.68
	9,669.78	90.13	35.89	8,906.00	-4,544.00	806.00	592.37	1,000.26	0.00	750,667.20	680,235.57
TGT(NE Lanier HZ)											
	9,689.26	90.52	35.89	8,905.89	-4,543.89	821.78	603.79	1,019.73	2.00	750,682.98	680,246.99
	9,700.00	90.52	35.89	8,905.79	-4,543.79	830.48	610.08	1,030.47	0.00	750,691.68	680,253.28
	9,800.00	90.52	35.89	8,904.89	-4,542.89	911.50	668.70	1,130.47	0.00	750,772.70	680,311.90
	9,900.00	90.52	35.89	8,903.98	-4,541.98	992.51	727.32	1,230.47	0.00	750,853.71	680,370.52
	10,000.00	90.52	35.89	8,903.07	-4,541.07	1,073.53	785.93	1,330.46	0.00	750,934.73	680,429.13
	10,100.00	90.52	35.89	8,902.17	-4,540.17	1,154.54	844.55	1,430.46	0.00	751,015.74	680,487.75
	10,200.00	90.52	35.89	8,901.26	-4,539.26	1,235.55	903.17	1,530.45	0.00	751,096.75	680,546.37
	10,300.00	90.52	35.89	8,900.35	-4,538.35	1,316.57	961.78	1,630.45	0.00	751,177.77	680,604.98
	10,400.00	90.52	35.89	8,899.44	-4,537.44	1,397.58	1,020.40	1,730.44	0.00	751,258.78	680,663.60



Pathfinder
Pathfinder X & Y Planning Report



Company: Mack Energy
Project: Lea County
Site: Kile State Com
Well: #1H
Wellbore: NE Lanier Horizontal
Design: Design #1

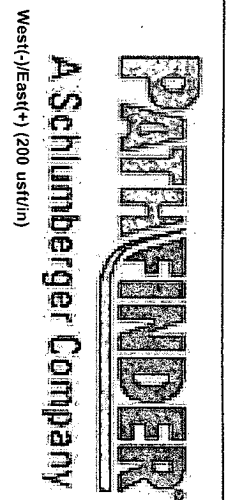
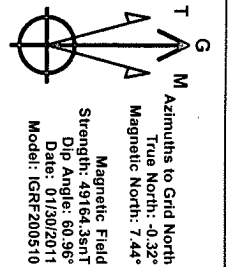
Local Co-ordinate Reference:
TVD Reference:
MD Reference:
North Reference:
Survey Calculation Method:
Database:
Well #1H
WELL @ 4362.00usft (19 KB Correction)
WELL @ 4362.00usft (19 KB Correction)
Grid
Minimum Curvature
EDM 5000.1 Single User Db

Planned Survey										
MD (usft)	Inc (°)	Azi (°)	TVD (usft)	TVDSS (usft)	N/S (usft)	E/W (usft)	V. Sec (usft)	D Leg (°/100usft)	Northing (usft)	Easting (usft)
10,500.00	90.52	35.89	8,898.54	-4,536.54	1,478.60	1,079.01	1,630.44	0.00	751,339.80	680,722.21
10,600.00	90.52	35.89	8,897.63	-4,535.63	1,559.61	1,137.63	1,930.44	0.00	751,420.81	680,780.83
10,669.60	90.52	35.89	8,897.00	-4,535.00	1,616.00	1,178.43	2,000.04	0.00	751,477.20	680,821.63
TGT2/NE Lanier HZ										
10,686.72	90.86	35.89	8,896.79	-4,534.79	1,629.87	1,188.46	2,017.15	2.00	751,491.07	680,831.66
10,700.00	90.86	35.89	8,896.59	-4,534.59	1,640.62	1,196.25	2,030.43	0.00	751,501.82	680,839.45
10,800.00	90.86	35.89	8,895.09	-4,533.09	1,721.63	1,254.86	2,130.42	0.00	751,582.83	680,898.06
10,900.00	90.86	35.89	8,893.59	-4,531.59	1,802.64	1,313.47	2,230.41	0.00	751,663.84	680,956.67
11,000.00	90.86	35.89	8,892.08	-4,530.08	1,883.65	1,372.08	2,330.39	0.00	751,744.85	681,015.28
11,100.00	90.86	35.89	8,890.58	-4,528.58	1,964.66	1,430.70	2,430.38	0.00	751,825.86	681,073.90
11,200.00	90.86	35.89	8,889.07	-4,527.07	2,045.66	1,489.31	2,530.37	0.00	751,906.86	681,132.51
11,300.00	90.86	35.89	8,887.57	-4,525.57	2,126.67	1,547.92	2,630.36	0.00	751,987.87	681,191.12
11,400.00	90.86	35.89	8,886.06	-4,524.06	2,207.68	1,606.53	2,730.35	0.00	752,068.88	681,249.73
11,500.00	90.86	35.89	8,884.56	-4,522.56	2,288.69	1,665.15	2,830.34	0.00	752,149.89	681,308.35
11,600.00	90.86	35.89	8,883.05	-4,521.05	2,369.70	1,723.76	2,930.33	0.00	752,230.90	681,366.96
11,670.12	90.86	35.89	8,882.00	-4,520.00	2,426.50	1,764.86	3,000.44	0.00	752,287.70	681,408.06
TGT3/NE Lanier HZ										
11,684.78	91.16	35.89	8,881.74	-4,519.74	2,438.38	1,773.45	3,015.10	2.00	752,299.58	681,416.65
11,700.00	91.16	35.89	8,881.44	-4,519.44	2,450.70	1,782.37	3,030.31	0.00	752,311.90	681,425.57
11,800.00	91.16	35.89	8,879.42	-4,517.42	2,531.70	1,840.98	3,130.29	0.00	752,392.90	681,484.18
11,900.00	91.16	35.89	8,877.40	-4,515.40	2,612.71	1,899.58	3,230.27	0.00	752,473.91	681,542.78
11,919.99	91.16	35.89	8,877.00	-4,515.00	2,628.90	1,911.30	3,250.26	0.00	752,490.10	681,554.50
PBHL/NE Lanier HZ										

Checked By: _____

Approved By: _____

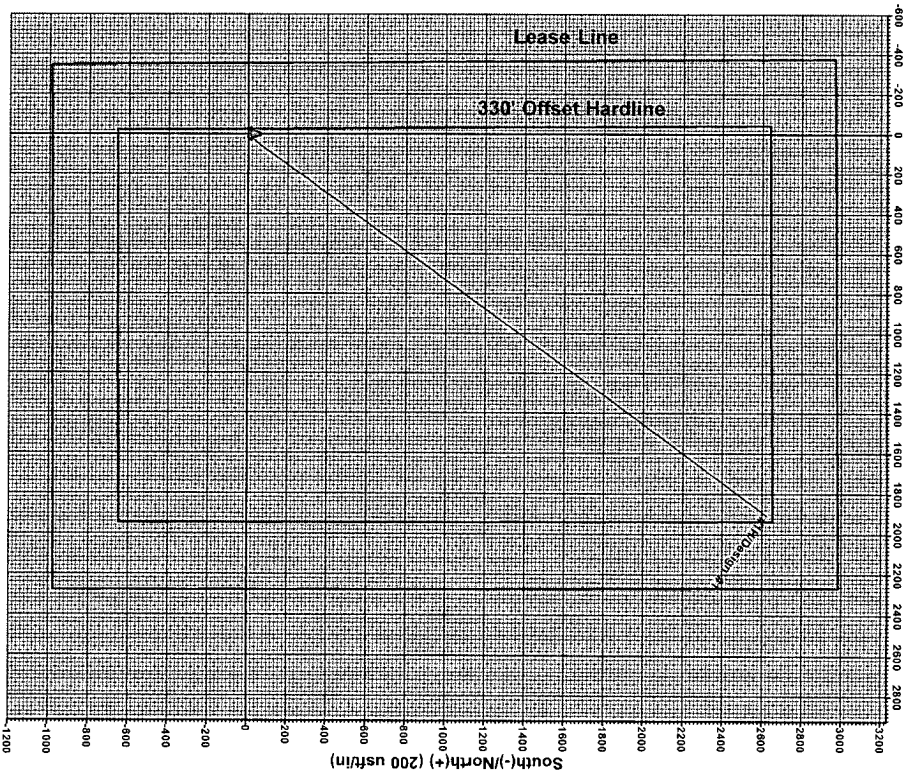
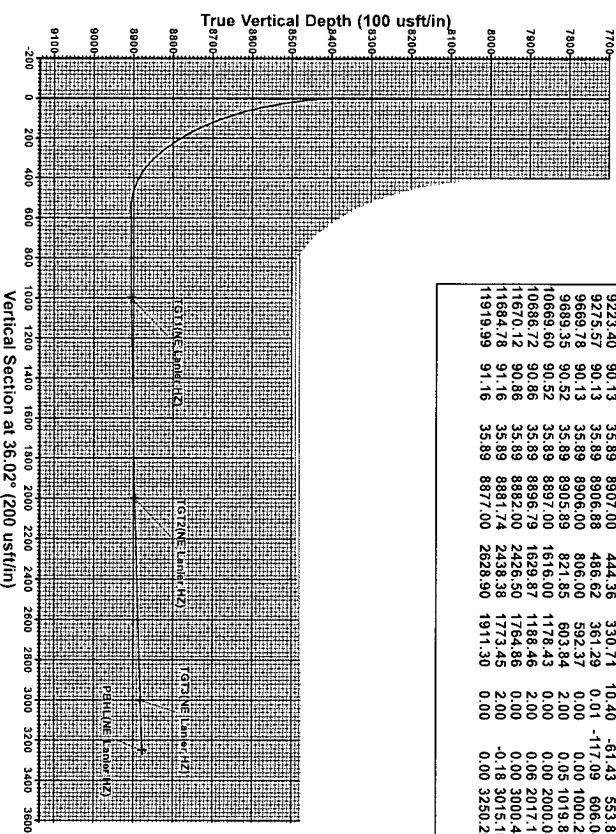
Date: _____



WELL DETAILS: #1H					
Ground Elevation: 4343.00					
RKB Elevation: WELL @ 4362.00usft (19' KB Correction)					
Rig Name: 19' KB Correction					
+N/S	+E/W	Northing	Easting	Latitude	Longitude
0.00	0.00	749861.200	679643.200	33° 3' 36.178 N	103° 44' 49.155 W
				Sit	

WELLBORE TARGET DETAILS			
Name	TVD	+N/S	+E/W
PBHL(NE Lanier HZ)	8877.00	2628.90	1911.30
TG13(NE Lanier HZ)	8882.00	2426.50	1764.86
TG12(NE Lanier HZ)	8897.00	1616.00	1178.43
TG11(NE Lanier HZ)	8906.00	806.00	592.37

SECTION DETAILS									
MD	INC	AZI	TVD	+N/S	+E/W	Dip	TFace	Vsect	Target
8357.00	0.12	97.32	8356.42	-2.56	6.11	0.00	0.00	53.88	
9223.40	90.13	35.89	8907.00	444.36	330.71	0.00	-53.03	602.88	TG11(NE Lanier HZ)
9275.57	90.13	35.89	8906.88	486.62	582.37	0.00	-117.09	602.88	TG12(NE Lanier HZ)
9669.78	90.13	35.89	8906.00	806.00	821.85	0.00	1019.82	602.88	TG13(NE Lanier HZ)
9689.35	90.52	35.89	8897.00	1616.00	1178.43	0.00	0.00	2007.15	TG12(NE Lanier HZ)
10669.60	90.52	35.89	8897.00	1616.00	1178.43	0.00	0.00	2007.15	TG13(NE Lanier HZ)
10886.72	90.86	35.89	8896.79	1629.87	1154.86	0.00	0.00	3000.44	TG13(NE Lanier HZ)
11670.12	90.86	35.89	8892.00	2426.50	1764.86	0.00	0.00	3015.10	PBHL(NE Lanier HZ)
11684.78	91.16	35.89	8891.74	2438.38	1773.45	0.00	0.00	3250.26	PBHL(NE Lanier HZ)
11919.39	91.16	35.89	8877.00	2628.90	1911.30	0.00	0.00	3250.26	PBHL(NE Lanier HZ)

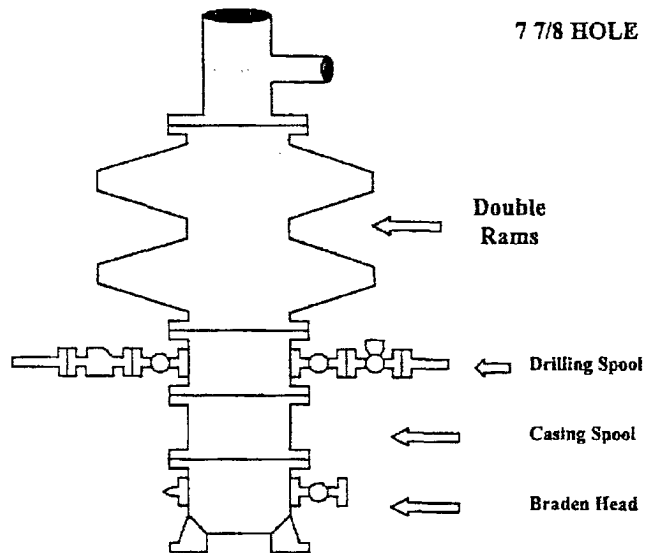


PROJECT DETAILS: Lea County
Geodetic System: US State Plane 1927 (Exact solution)
Datum: NAD 1927 (NADCON CONUS)
Ellipsoid: Clarke 1866
Zone: New Mexico East 3001
System Datum: Mean Sea Level
Local North: Grid

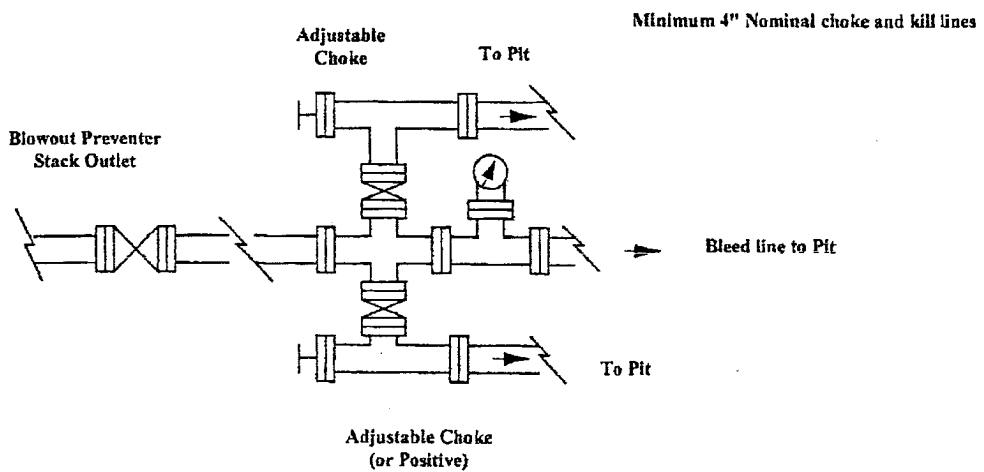
Plan: Design of (LINE) Lanier Horizontal
Created By: Nate Bingham Date: 14 Jan, 2011
Checked: _____ Date: _____

Mack Energy Corporation

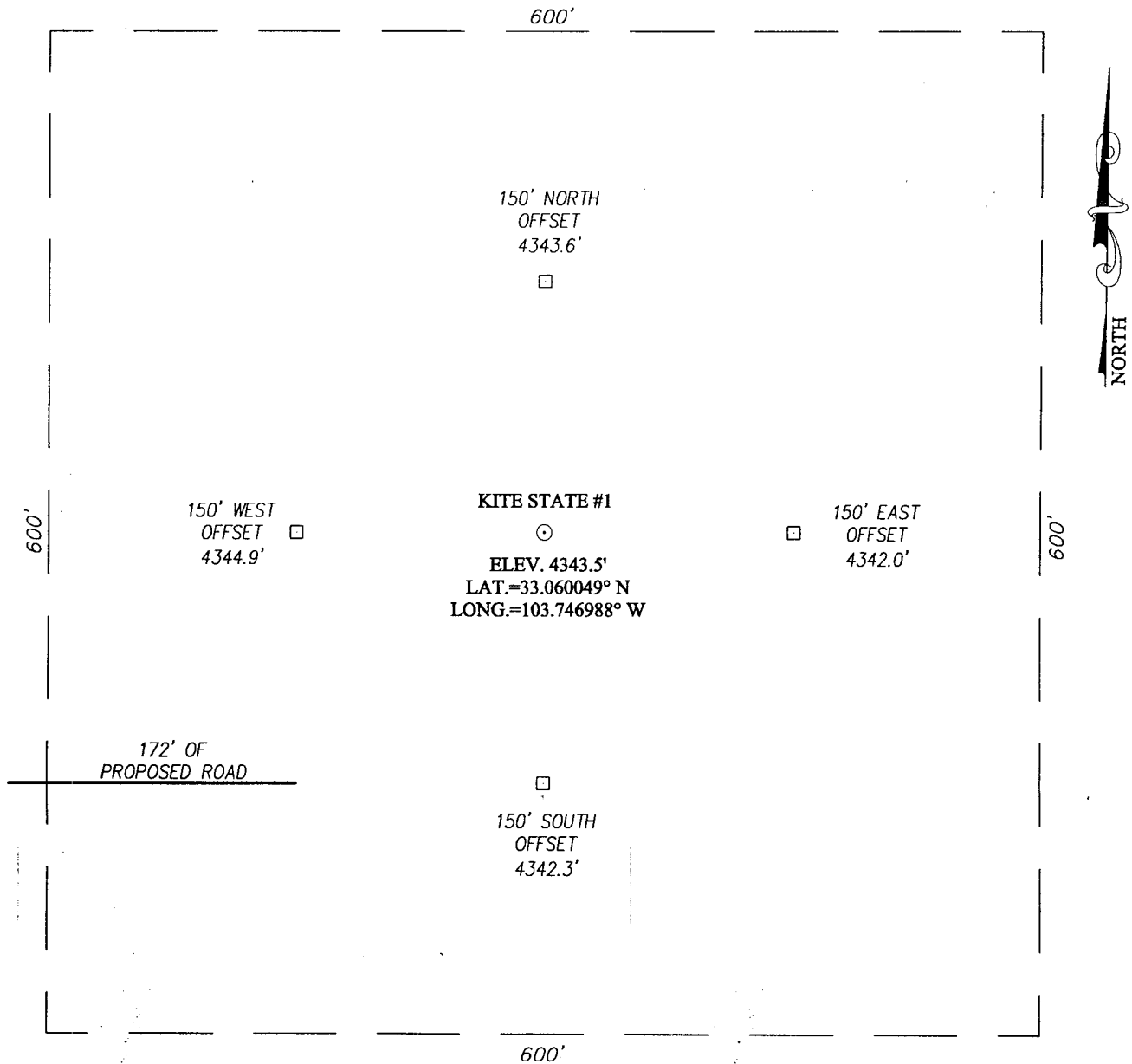
Exhibit #1-A BOPE Schematic



Choke Manifold Requirement (3000 psi WP)
No Annular Required

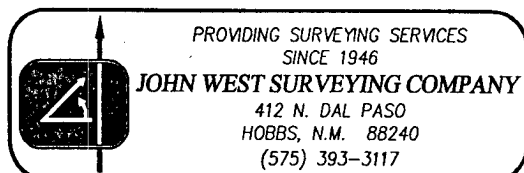
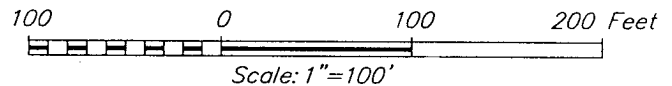


SECTION 32, TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF ST. HWY. #249 AND WANDA ROAD, GO EAST ON WANDA ROAD APPROX. 200 FEET. TURN LEFT AND GO NORTH APPROX. 0.7 MILES. TURN RIGHT AND GO EAST APPROX. 1.0 MILE. TURN RIGHT AND GO SOUTH APPROX. 0.2 MILES. TURN LEFT AND GO SOUTHEAST APPROX. 0.1 MILE. TURN LEFT AND GO NORTH APPROX. 0.6 MILES. GO THROUGH GATE NORTHEAST APPROX. 2.0 MILES. TURN LEFT AND GO NORTH APPROX. 0.5 MILES TO A PROPOSED ROAD SURVEY. FOLLOW ROAD SURVEY EAST 172 FEET TO THIS LOCATION.

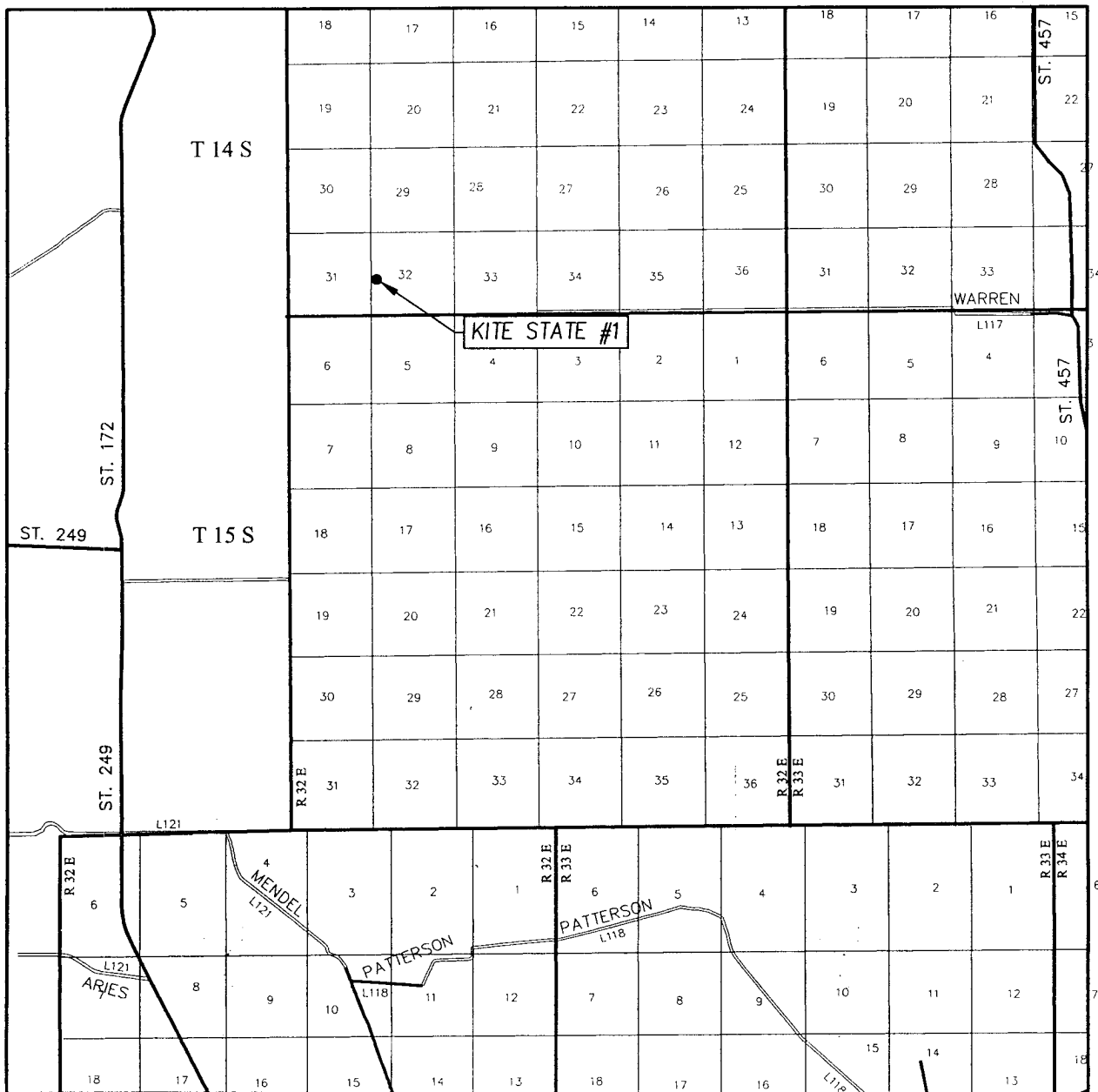


MACK ENERGY CORPORATION

KITE STATE #1 WELL
LOCATED 2310 FEET FROM THE SOUTH LINE
AND 355 FEET FROM THE WEST LINE OF SECTION 32,
TOWNSHIP 14 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO.

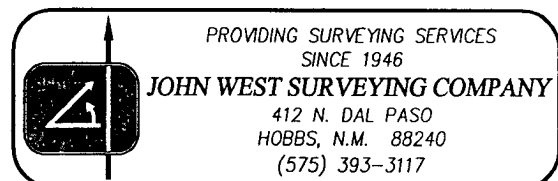
Survey Date: 6/14/10	Sheet 1 of 1 Sheets
W.O. Number: 11.13.0001	Dr By: DSS
Date: 1/3/11	11130001
	Scale: 1"=100'

VICINITY MAP

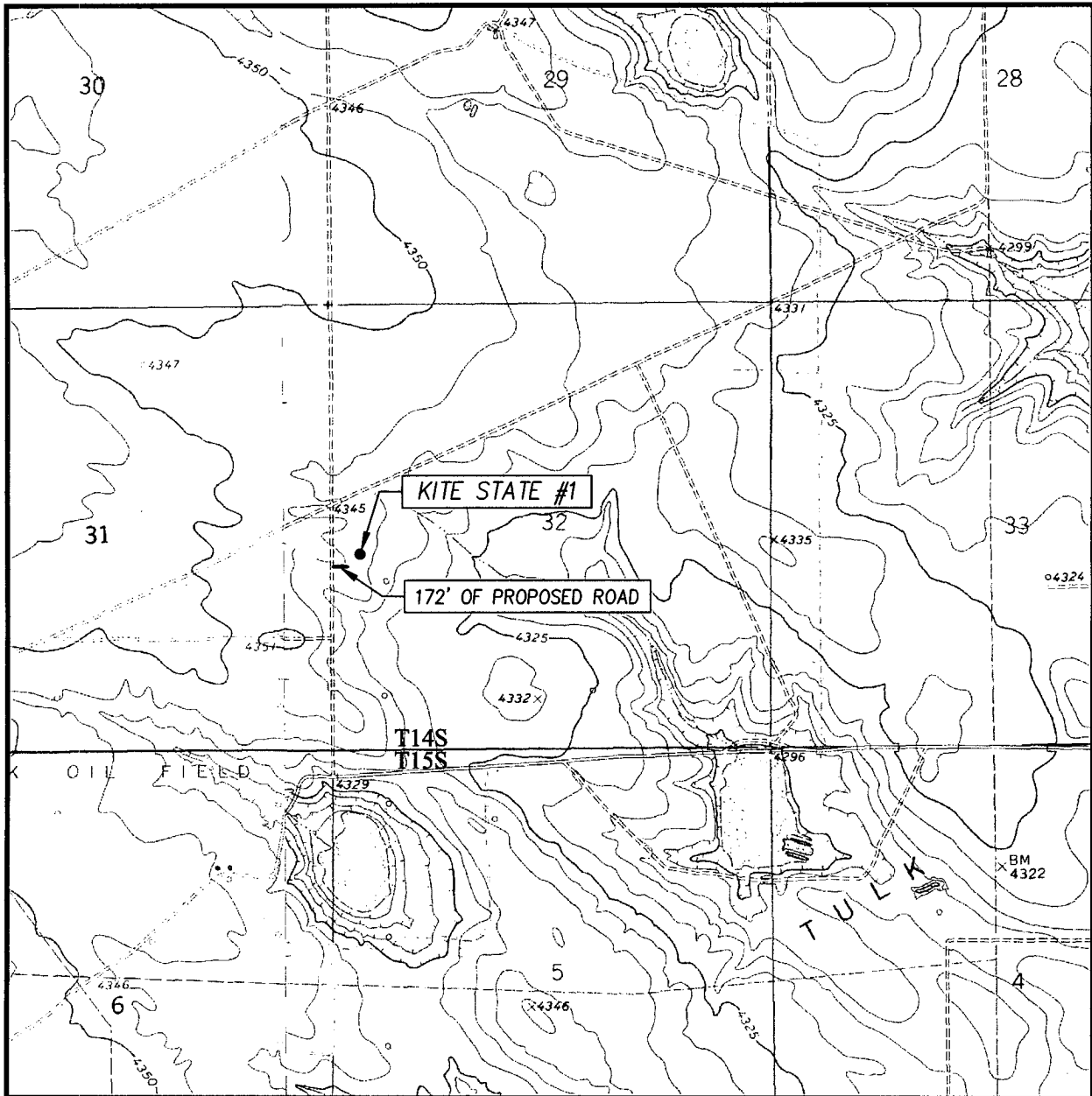


SCALE: 1" = 2 MILES

SEC. 32 TWP. 14-S RGE. 32-E
 SURVEY _____ N.M.P.M. _____
 COUNTY LEA STATE NEW MEXICO
 DESCRIPTION 2310' FSL & 355' FWL
 ELEVATION 4343'
 OPERATOR MACK ENERGY CORPORATION
 LEASE KITE STATE



LOCATION VERIFICATION MAP



SCALE: 1" = 2000'

CONTOUR INTERVAL:
DEAN RANCH, N.M. - 5'
CEDAR POINT SE, N.M. - 10'

SEC. 32 TWP. 14-S RGE. 32-E

SURVEY _____ N.M.P.M.

COUNTY LEA STATE NEW MEXICO

DESCRIPTION 2310' FSL & 355' FWL

ELEVATION 4343'

OPERATOR MAC K ENERGY CORPORATION

LEASE KITE STATE

U.S.G.S. TOPOGRAPHIC MAP
DEAN RANCH, N.M.

