

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

OCD-ARTESIA

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1 Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2 Name of Operator

Mack Energy Corporation

3 Address and Telephone No

P.O. Box 960, Artesia, NM 88211-0960 (505)748-1288

4 Location of Well (Footage, Sec., T., R., M. or Survey Description)

1140 FSL & 2310 FEL, Sec 17 T17S R30E

5 Lease Designation and Serial No

NM-86025

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No

McIntyre DK Fed #14

9. API Well No

30-015-34537

10. Field and Pool, or Exploratory Area

Loco Hills Paddock

11. County or Parish, State

Eddy, NM

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☒ Notice of Intent
☐ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

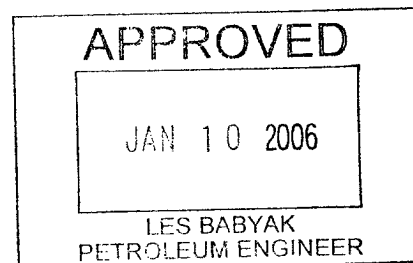
- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other _____
- ☒ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Mack Energy Corporation has changed its plan to drill a vertical well to a directional drilled well. MEC proposes to drill from the unorthodox location (1140 FSL & 2310 FEL), then kickoff and drill to an orthodox location (990 FSL & 2310 FEL). Attached is a copy of the Planning Report.

RECEIVED
JAN 13 2006
OCD-ARTESIA



14. I hereby certify that the foregoing is true and correct

Signed _____

Title _____ Production Clerk

Date 12/29/2005

(This space for Federal or State office use)

Approved by _____
Conditions of approval, if any _____

Title _____

Date _____



Scientific Drilling
Directional Drilling Operations

Field: Sec 17, T17S-R30E
Site: Eddy County, NM
Well: McIntyre DK Federal #14
Wellpath: OH
Plan: Plan #2

Mack Energy Corp.

SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLog	TFace	VSec	Target
1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	1050.00	0.00	0.00	1050.00	0.00	0.00	0.00	0.00	0.00	
3	1385.61	6.51	180.00	1384.31	-18.68	0.00	2.00	0.00	-18.48	
4	2382.22	6.51	180.00	2375.09	-131.52	0.00	0.00	0.00	-131.52	
5	2707.23	0.00	0.00	2700.00	-150.00	0.00	2.00	180.00	-150.00	
6	6007.83	0.00	0.00	6000.00	-150.00	0.00	0.00	0.00	-150.00	PBHL #14

WELL DETAILS

Name	+N/-S	+E/-W	Northing	Easting	Latitude	Longitude	Slot
McIntyre DK Federal #14	0.00	0.00	665944.70	604671.70	32°49'49.097N	103°59'33.257W	N/A

TARGET DETAILS

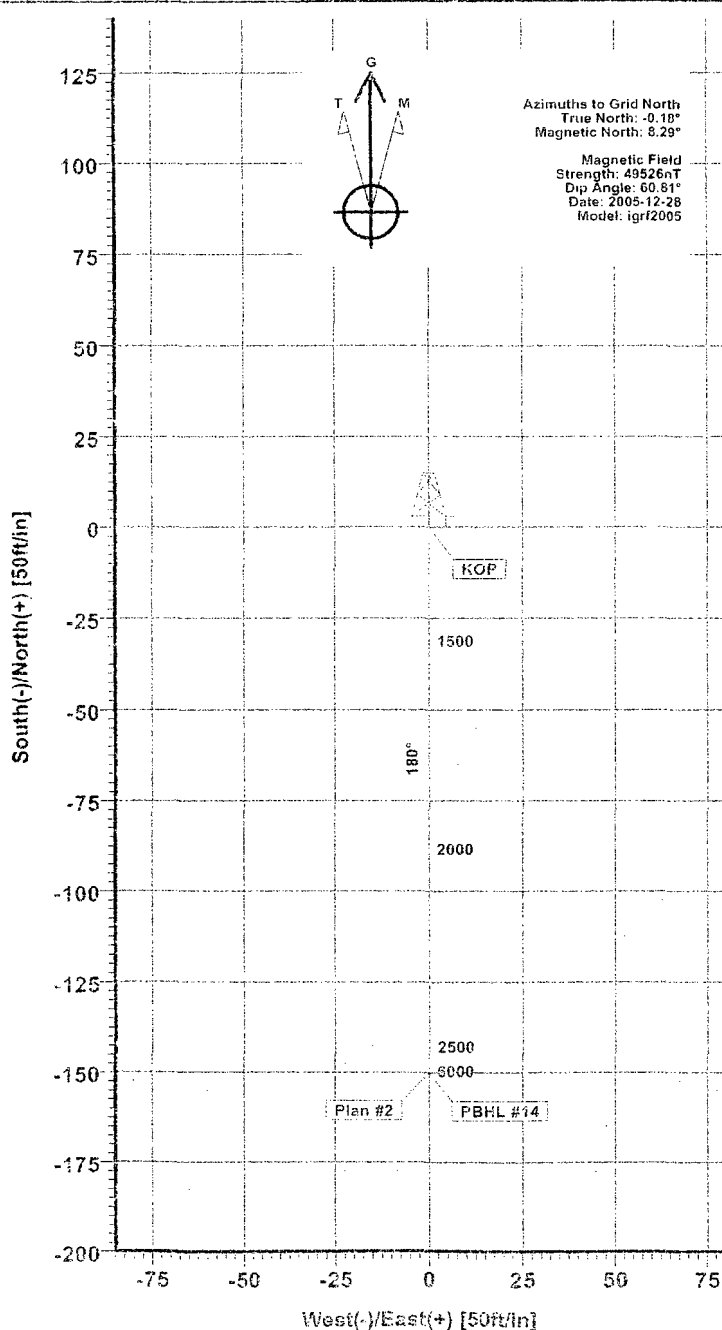
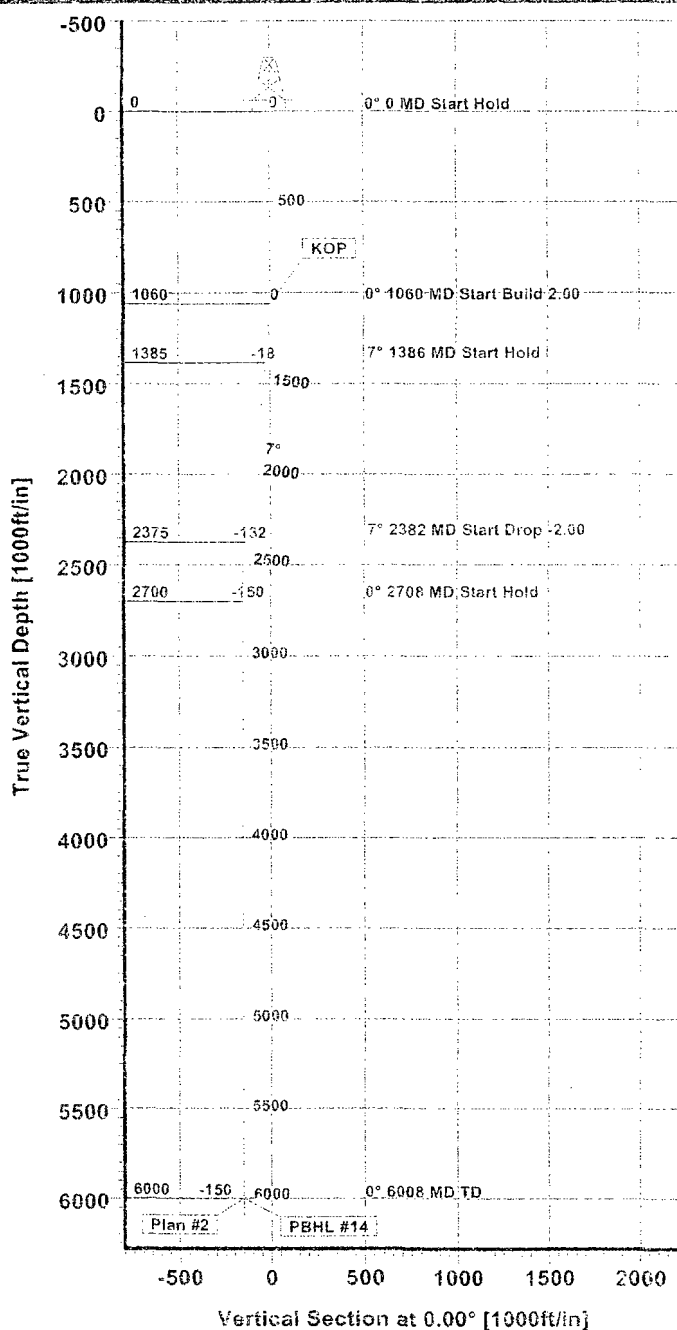
Name	TVD	+N/-S	+E/-W	Northing	Easting	Shape
PBHL #14	6000.00	-150.00	0.00	665794.70	604671.70	Point

FIELD DETAILS

Sec 17, T17S-R30E
McIntyre DK Federal #14
Eddy County, NM

Geodetic System: US State Plane Coordinate System 1927
Ellipsoid: NAD27 (Clarke 1858)
Zone: New Mexico, Eastern Zone
Magnetic Model: Igrf2005

System Datum: Mean Sea Level
Local North: Grid North



Scientific Drilling Planning Report

Company: Mack Energy Corp.
Field: Sec 17, T17S-R30E
Site: Eddy County, NM
Well: McIntyre DK Federal #14
Wellbath: OH

Date: 2005-12-28 Time: 09:18:01 Page:
Co-ordinate(NE) Reference: Well: McIntyre DK Federal #14, Grid North
Vertical (TVD) Reference: KB=3683 FT 3683.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #2

Page: 1

Field: Sec 17, T17S-R30E
McIntyre DK Federal #14
Eddy County, NM
Map System: US State Plane Coordinate System 1927
Geo Datum: NAD27 (Clarke 1866)
Sys Datum: Mean Sea Level

Map Zone: New Mexico, Eastern Zone
Coordinate System: Well Centre
Geomagnetic Model: iqr2005

Site: Eddy County, NM
T17S-R30E
McIntyre DK Federal #14

Site Position:		Northing:	665944.70 ft	Latitude:	32 49 49.097 N
From:	Map	Easting:	604671.70 ft	Longitude:	103 59 33.257 W
Position Uncertainty:	0.00 ft			North Reference:	Grid
Ground Level:	0.00 ft			Grid Convergence:	0.18 deg

Well: McIntyre DK Federal #14

Slot Name:

Well Position:	+N/-S	0.00 ft	Northing:	665944.70 ft	Latitude:	32 49 49.097 N
	+E/-W	0.00 ft	Easting :	604671.70 ft	Longitude:	103 59 33.257 W
Position Uncertainty:		0.00 ft				

Wellpath: OH

Drilled From:	Surface
Tie-on Depth:	0.00 ft
Above System Datum:	Mean Sea Level
Declination:	8.47 deg
Mag Dip Angle:	60.81 deg
+E/-W	Direction
ft	deg

Current Datum: KB=3683 FT **Height** 3683.00 ft
Magnetic Data: 2005-12-28
Field Strength: 49526 nT
Vertical Section: Depth From (TYD) +N/-S

Vertical Section: Depth From (TVD)

$$\frac{1}{2} \left(\frac{1}{2} + \frac{1}{2} \right) = \frac{1}{2}$$

0.06

0.00

00

Plan: Plan #2

Date Composed: 2005-12-22
Version: 1
Tied-to: From Surface

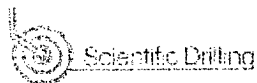
Principal: No

Plan Section Information

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	Target
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1060.00	0.00	0.00	1060.00	0.00	0.00	0.00	0.00	0.00	0.00	
1385.61	6.51	180.00	1384.91	-18.48	0.00	2.00	2.00	0.00	0.00	
2382.22	6.51	180.00	2375.09	-131.52	0.00	0.00	0.00	0.00	0.00	
2707.83	0.00	0.00	2700.00	-150.00	0.00	2.00	-2.00	0.00	180.00	
6007.83	0.00	0.00	6000.00	-150.00	0.00	0.00	0.00	0.00	0.00	PBHL #14

Section 1 : Start Hold

[illegible]



Scientific Drilling Planning Report

Company: Mack Energy Corp.
Field: Sec 17, T17S-R30E
Site: Eddy County, NM
Well: McIntyre DK Federal #14
Wellpath: OH

Date: 2005-12-28 Time: 09:18:01 Page: 2
Co-ordinate(NE) Reference: Well: McIntyre DK Federal #14, Grid Nort
Vertical (TVD) Reference: KB=3683 FT 3683.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #2

Section 2 : Start Build 2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1100.00	0.80	180.00	1100.00	-0.28	0.00	-0.28	2.00	2.00	0.00	0.00
1200.00	2.80	180.00	1199.94	-3.42	0.00	-3.42	2.00	2.00	0.00	0.00
1300.00	4.80	180.00	1299.72	-10.05	0.00	-10.05	2.00	2.00	0.00	0.00
1385.61	6.51	180.00	1384.91	-18.48	0.00	-18.48	2.00	2.00	0.00	0.00

Section 3 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
1400.00	6.51	180.00	1399.21	-20.12	0.00	-20.12	0.00	0.00	0.00	0.00
1500.00	6.51	180.00	1498.56	-31.46	0.00	-31.46	0.00	0.00	0.00	0.00
1600.00	6.51	180.00	1597.92	-42.80	0.00	-42.80	0.00	0.00	0.00	0.00
1700.00	6.51	180.00	1697.27	-54.14	0.00	-54.14	0.00	0.00	0.00	0.00
1800.00	6.51	180.00	1796.63	-65.48	0.00	-65.48	0.00	0.00	0.00	0.00
1900.00	6.51	180.00	1895.98	-76.82	0.00	-76.82	0.00	0.00	0.00	0.00
2000.00	6.51	180.00	1995.34	-88.17	0.00	-88.17	0.00	0.00	0.00	0.00
2100.00	6.51	180.00	2094.69	-99.51	0.00	-99.51	0.00	0.00	0.00	0.00
2200.00	6.51	180.00	2194.04	-110.85	0.00	-110.85	0.00	0.00	0.00	0.00
2300.00	6.51	180.00	2293.40	-122.19	0.00	-122.19	0.00	0.00	0.00	0.00
2382.22	6.51	180.00	2375.09	-131.52	0.00	-131.52	0.00	0.00	0.00	0.00

Section 4 : Start Drop -2.00

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2400.00	6.16	180.00	2392.76	-133.48	0.00	-133.48	2.00	-2.00	0.00	180.00
2500.00	4.16	180.00	2492.35	-142.46	0.00	-142.46	2.00	-2.00	0.00	180.00
2600.00	2.16	180.00	2592.19	-147.97	0.00	-147.97	2.00	-2.00	0.00	180.00
2707.83	0.00	0.00	2700.00	-150.00	0.00	-150.00	2.00	-2.00	0.00	-180.00

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
2800.00	0.00	0.00	2792.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
2900.00	0.00	0.00	2892.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3000.00	0.00	0.00	2992.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3100.00	0.00	0.00	3092.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3200.00	0.00	0.00	3192.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3300.00	0.00	0.00	3292.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3400.00	0.00	0.00	3392.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3500.00	0.00	0.00	3492.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3600.00	0.00	0.00	3592.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3700.00	0.00	0.00	3692.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3800.00	0.00	0.00	3792.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
3900.00	0.00	0.00	3892.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4000.00	0.00	0.00	3992.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4100.00	0.00	0.00	4092.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4200.00	0.00	0.00	4192.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4300.00	0.00	0.00	4292.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4400.00	0.00	0.00	4392.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4500.00	0.00	0.00	4492.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4600.00	0.00	0.00	4592.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4700.00	0.00	0.00	4692.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4800.00	0.00	0.00	4792.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
4900.00	0.00	0.00	4892.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5000.00	0.00	0.00	4992.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5100.00	0.00	0.00	5092.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5200.00	0.00	0.00	5192.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5300.00	0.00	0.00	5292.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5400.00	0.00	0.00	5392.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5500.00	0.00	0.00	5492.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5600.00	0.00	0.00	5592.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5700.00	0.00	0.00	5692.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00



Scientific Drilling Planning Report

Company: Mack Energy Corp.
Field: Sec 17, T17S-R30E
Site: Eddy County, NM
Well: McIntyre DK Federal #14
Wellpath: OH

Date: 2005-12-28 Time: 09:18:01 Page: 3
Co-ordinate(NE) Reference: Well: McIntyre DK Federal #14, Grid Nort
Vertical (TVD) Reference: KB=3683 FT 3683.0
Section (VS) Reference: Well (0.00N,0.00E,0.00Azi)
Plan: Plan #2

Section 5 : Start Hold

MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg
5800.00	0.00	0.00	5792.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
5900.00	0.00	0.00	5892.17	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00
6007.83	0.00	0.00	6000.00	-150.00	0.00	-150.00	0.00	0.00	0.00	0.00

Targets

Name	Description Dip.	Dir.	TVD ft	+N/-S ft	+E/-W ft	Map Northing ft	Map Easting ft	<--- Latitude ---> Deg Min Sec			<--- Longitude ---> Deg Min Sec		
PBHL #14 -Plan hit target			6000.00	-150.00	0.00	665794.70	604671.70	32	49	47.612 N	103	59	33.263 W

Annotation

MD ft	TVD ft	
1060.00	1060.00	KOP