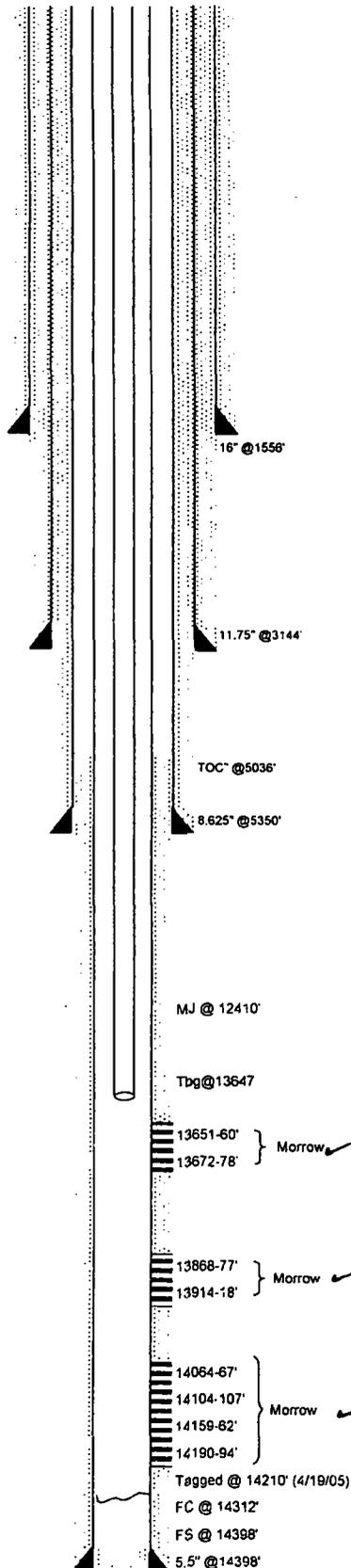


WELL NAME: Minis 2 Fed Com #4		FIELD: Hat Mesa		LSE#: 012928								
STATE: NM		COUNTY: Lea		LOCATION: N/2 SE NE 2-21S-32E								
API NO: 30-025-36290		SPUD DATE: 6/30/2003		FORMATION: Morrow								
TD: 14400'		PBTD: 14270'		ELEVATION: 3859' GL								
PIPE RECORD							CEMENT & HOLE DATA					
CSG	OD	GRADE	THD	WT/FT	TOP	BTM	# JTS	BIT SIZE	DEPTH	SX	WT.	TOC
Surf	16.000"	J-55	BTC	84.00#	Surf	1556'	38	18.500"		890		Surf
Inter	11.760"	K-55/N-80	BTC	54# & 65#	Surf	3144'	72	14.750"		1280		Surf
Inter	8.625"	HCK-55	LTC	32.00#	Surf	5350'	119	10.625"		900		350'
Prod	5.500"	P-110	LTC 8rd	20.00#	Surf	14398'	350	7.875"		1540		5036'
Tbg	2.375"	N80	EUE 8rd	4.70#	Surf	13847'	427					
Remarks:							CSG COLLARS					
8/27/03: Frac Morrow (14064-194') w/827 bbls gel fluid, 270 tons CO2 & 120,000# 20/40 Bauxite							ELM/GRM					
9/4/03: Frac Morrow (13868-918') w/831 bbls 40# & 35# gel, 250 tons CO2 & 110,765# 20/40 Bauxite							CAPACITIES (bbl/r) (r/bbl) (cf/r)					
9/11/03: Frac Morrow (13651-878') w/847 bbls Purget, 250 tons CO2 & 103,020# 20/40 Bauxite							Tbg: 2.375 in. 4.7# .00387 258.65 .02171					
9/18/03: Drilled out to 14,212'							CSG: 8.625 in. 32# 0.0609 16.41 0.3422					
4/19/05: Acidized Morrow with 501 bbls 15% acid							CSG: 5.5 in. 20# .02210 45.09 12450					
Logs: Dual Laterolog, Micro Guard, Spectral Density, Dual Spaced Neutron & GR (8/10/03)							VOLUME BETWEEN (bbl/r) (r/bbl) (cf/r)					
SRC Wt%: 100%							TbgxCSG 2.375x5.5 .01670 59.89 09370					
							CSG-HOLE					
							Tbg-HOLE					
							Tbg-HOLE					
							PERFORATION RECORD					
							DATE TOP BTM ZONE STATUS					
							8/22/2003 14190' 14194' Morrow Active					
							8/22/2003 14159' 14162' Morrow Active					
							8/22/2003 14104' 14107' Morrow Active					
							8/22/2003 14054' 14057' Morrow Active					
							9/1/2003 13914 13918 Morrow Active					
							9/1/2003 13868 13877 Morrow Active					
							9/10/2003 13672 13678 Morrow Active					
							9/10/2003 13651 13660 Morrow Active					



Tubing Detail as of 8/19/09:
 KB = 24'
 426 JTS 2 3/8" L-80 TUBING = 13594
 1.875" X NIPPLE = 1.875"
 1 JT 2 3/8" TUBING = 32.23'
 END OF TUBING = 13647

T/Salt 1520
B/Salt 3112
Yates 3130
Capitan 3529
Del 5454
Cherry 5650
Brushy 7250
BS 8649
1st 9600
2nd 10196
3rd 11020
WC 11704
ST 12786
A+ 12945
MR 13818
Bar 14282

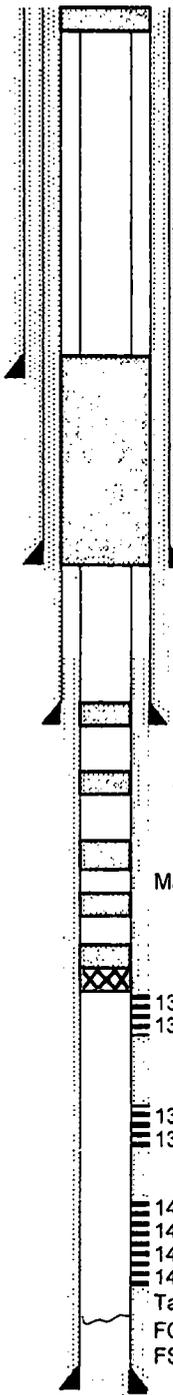
32.5169716
-103.6390305
MR 13488

TD 14400' *PBTD 14365'*

WELL NAME Minis 2 Fed Com #4
STATE: NM
API NO: 30-025-36290
TD: 14400'

FIELD: Hat Mesa
COUNTY: Lea
SPUD DATE: 6/30/2003
PBD: 14270'

LSE#: 012928
LOCATION: N/2 SE NE 2-21S-32E
FORMATION: Morrow
ELEVATION: 3659' GL



7. Perf & Sqz 25 sx cmt @ 60' to Surface.

16" @ 1556'

6. Perf & Sqz 350 sx cmt @ 3194-1500'. WOC & Tag (11 3/4" Shoe, R-111-P Potash Area, 16" Shoe)

11 3/4" @ 3144'

5 1/2" TOC @ 5036'

8 5/8" @ 5350'

5. Spot 25 sx cmt @ 5455-5300'. WOC & Tag (T/Delaware & 8 5/8" Shoe)

4. Spot 25 sx cmt @ 8750-8550' (Bone Spring)

3. Spot 25 sx cmt @ 11,650-11,450' (Wolfcamp)

MJ @ 12410'

2. Spot 25 sx cmt @ 12,908-12,678'. (Strawn)

1. Set 5 1/2" CIBP @ 13,601'. Circ hole w/ MLF. Pressure test csq. Spot 25 sx cmt @ 13,601-13,400'

13651-60'

13672-78'

Morrow

13868-77'

13914-18'

Morrow

14064-67'

14104-107'

14159-62'

14190-94'

Morrow

Tagged @ 14210' (4/19/05)

FC @ 14312'

FS @ 14398'

5 1/2" @ 14,398'

TD: 14400'

BUREAU OF LAND MANAGEMENT
Carlsbad Field Office
620 East Greene Street
Carlsbad, New Mexico 88220
575-234-5972

Permanent Abandonment of Federal Wells
Conditions of Approval (LPC Habitat)

Failure to comply with the following Conditions of Approval may result in a Notice of Incidents of Noncompliance (INC) in accordance with 43 CFR 3163.1.

1. Plugging operations shall commence within ninety (90) days from the approval date of this Notice of Intent to Abandon.

If you are unable to plug the well by the 90th day provide this office, prior to the 90th day, with the reason for not meeting the deadline and a date when we can expect the well to be plugged. Failure to do so will result in enforcement action.

The rig used for the plugging procedure cannot be released and moved off without the prior approval of the authorized officer. Failure to do so may result in enforcement action.

2. Notification: Contact the appropriate BLM office at least 24 hours prior to the commencing of any plugging operations. For wells in Chaves and Roosevelt County, call 575-627-0272; Eddy County, call 575-361-2822; Lea County, call 575-393-3612.

3. Blowout Preventers: A blowout preventer (BOP), as appropriate, shall be installed before commencing any plugging operation. The BOP must be installed and maintained as per API and manufacturer recommendations. The minimum BOP requirement is a 2M system for a well not deeper than 9,090 feet; a 3M system for a well not deeper than 13,636 feet; and a 5M system for a well not deeper than 22,727 feet.

4. Mud Requirement: Mud shall be placed between all plugs. Minimum consistency of plugging mud shall be obtained by mixing at the rate of 25 sacks (50 pounds each) of gel per 100 barrels of brine water. Minimum nine (9) pounds per gallon.

5. Cement Requirement: Sufficient cement shall be used to bring any required plug to the specified depth and length. Any given cement volumes on the proposed plugging procedure are merely estimates and are not final. Unless specific approval is received, no plug except the surface plug shall be less than 25 sacks of cement. Any plug that requires a tag will have a minimum WOC time of 4 hours.

In lieu of a cement plug across perforations in a cased hole (not for any other plugs), a bridge plug set within 50 feet to 100 feet above the perforations shall be capped with 25 sacks of cement. If a bailer is used to cap this plug, 35 feet of cement shall be sufficient. Before pumping or bailing cement on top of CIBP, tag will be required to verify depth. Based on depth, a tag of the cement may be deemed necessary.

Unless otherwise specified in the approved procedure, the cement plug shall consist of either Neat Class "C", for up to 7,500 feet of depth or Neat Class "H", for deeper than 7,500 feet plugs.

6. Below Ground Level Cap (Lesser Prairie-Chicken Habitat): All casing shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The BLM is to be notified a minimum of 4 hours prior to the wellhead being cut off to verify that cement is to surface in the casing and all annuluses. Wellhead cut off shall commence within ten (10) calendar days of the well being plugged. If the cut off cannot be done by the 10th day, the BLM is to be contacted with justification to receive an extension for completing the cut off. Upon the plugging and subsequent abandonment of wells that are located in lesser prairie-chicken habitat, the casings shall be cut-off at the base of the cellar or 3 feet below final restored ground level (whichever is deeper). The well bore shall then be covered with a metal plate at least ¼ inch thick and welded in place. A weep hole shall be left in the plate and/or casing.

NMOCD also requires the operator to notify NMOCD when this type of dry hole marker is used. This can be done on the subsequent report of abandonment which is submitted to the BLM after the well is plugged. State that a below ground cap was installed as required in the COA's from the BLM.

7. Subsequent Plugging Reporting: Within 30 days after plugging work is completed, file one original and three copies of the Subsequent Report of Abandonment, Form 3160-5 to BLM. The report should give in detail the manner in which the plugging work was carried out, the extent (by depths) of cement plugs placed, and the size and location (by depths) of casing left in the well. Show date well was plugged.

8. Trash: All trash, junk and other waste material shall be contained in trash cages or bins to prevent scattering and will be removed and deposited in an approved sanitary landfill. Burial on site is not permitted.

Following the submission and approval of the Subsequent Report of Abandonment, surface restoration will be required. See attached reclamation objectives.

Timing Limitation Stipulation/ Condition of Approval for Lesser Prairie-Chicken:

From March 1st through June 15th annually, abandonment activities will be allowed except between the hours from 3 00 am and 9 00 am. Normal vehicle use on existing roads will not be restricted