

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

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 HEC PETROLEUM, INC. C/O Mike Pippin 3104 N. Sullivan, Farmington, NM 87401		OGRID Number 009812
Property Code 13514	Property Name REDFERN	API Number 30-04533256
Proposed Pool 1 Basin Fruitland Coal		Well No. #5
Proposed Pool 2		

Surface Location

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	29N	13W		660'	North	1600'	West	San Juan

Proposed Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 1dn	Feet from the	North/South line	Feet from the	East/West line	County

Additional Well Information

Work Type Code N	Well Type Code G	Cable/Rotary R	Lease Type Code P	Ground Level Elevation 5318'
Multiple No	Proposed Depth 1300'	Formation Fruitland Coal	Contractor None Yet	Spud Date 3/1/06
Depth to Groundwater <100'		Distance from nearest fresh water well <1000'		Distance from nearest surface water <200'
Pit: Liner: Synthetic <input type="checkbox"/> 12 mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input checked="" type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
12-1/4"	8-5/8"	24#	200'	200	Surface
7-7/8"	5-1/2"	15.5#	1300'	170	Surface

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.

Drill 12-1/4" hole to 200' using fresh water mud. Run & cement 8-5/8" surface casing to surface. Wait on cement 12 hours. Nipple up 7-1/16" BOPE (annular). Pressure test surface casing & BOPE to minimum of 500 psig for 15 minutes. Drill 7-7/8" hole to TD using polymer & water. Run 5-1/2" production casing & cement to surface in a single stage. Move out drilling rig. Move in completion equipment. Test production casing to 3800 psi for 15 minutes. Log well. Perforate select Fruitland Coal intervals and stimulate with a sand frac treatment. Install production equipment, 2-3/8" tubing, and gas sales meter. Complete as a single Fruitland Coal gas well. This well will be drilled with a closed loop system.

23 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 ☐.

Printed name: Mike Pippin

Title: Agent - Petroleum Engineer

E-mail Address: mpippin@ddbroadband.net

Date: 7/30/05

Phone: 505-327-4573

OIL CONSERVATION DIVISION

Approved by:

Title: DEPUTY OIL & GAS INSPECTOR, DIST. 1

Approval Date: AUG - 1 2005

Expiration Date: AUG - 1 2006

Conditions of Approval Attached ☐ No subgrade pits or tanks

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State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised June 10, 2003

Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number 30-045-33256		*Pool Code 71629		*Pool Name BASIN FRUITLAND COAL	
*Property Code 13514		*Property Name REDFERN		*Well Number 5	
*OGRID No. 009812		*Operator Name HEC PETROLEUM		*Elevation 5318'	

¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	14	29-N	13-W		660	NORTH	1600'	WEST	SAN JUAN

¹¹ 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
*Dedicated Acres 320 W/2			*Joint or Infill Y		*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

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FD AL. CAP 1994 MILLER ENGR. 1600'	N 89-41-59 W 5280.9' (M) LAT. 36°43'54.8" N (NAD 83) LONG. 108°10'44.6" W (NAD 83) FD 1 1/2" ALUM CAP
S 01-09-51 W 2589.1' (C)	
CALC'D CORNER FROM SURVEY OF RECORD	

AUG 2005
RECEIVED
OIL CONSERV. DIV.
DIST. 8

17 OPERATOR CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Mike Pippin
Signature

MIKE PIPPIN
Printed Name
AGENT + PETR. ENGR.
Title

7-30-05
Date

18 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.

JOHN A. VUKONICH
NEW MEXICO
14831
REGISTERED PROFESSIONAL SURVEYOR

Certificate Number