

Submit 1 Copy To Appropriate District Office
District I
1625 N French Dr., Hobbs, NM 88240
District II
1301 W Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., 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-103
October 13, 2009

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

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS)		WELL API NO. 30-045-35021
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other		5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
2. Name of Operator Koch Exploration Company, LLC		6. State Oil & Gas Lease No. E6513
3. Address of Operator PO Box 489, Aztec, NM 87410		7. Lease Name or Unit Agreement Name Aggie State 32
4. Well Location Unit Letter B : 1073 feet from the North line and 1916 feet from the East line Section 32 Township 29N Range 09W NMPM San Juan County		8. Well Number 1B
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6009 GR		9. OGRID Number 12807
		10. Pool name or Wildcat Basin Fruitland Coal

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☒
PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
DOWNHOLE COMMINGLE ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ P AND A ☐
CASING/CEMENT JOB ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

We propose to change the cement we will use for the 4 1/2" production casing to: Lead cement with 225 sks Premium Cement + 0.3% Econolite + 5 lbm/sk Kol-Seal + 0.125 lbm/sk Pol-E-Flake (wt. 11.80 ppg, yield 2.52) volume: 567.49 cf, includes 75% excess. Tail with 54 sks VersaCem + 1.28 cf/sk 50/50 Poz Premium + 3 lbm/sk Gilsonite + .125 lbm/sk Poly-E-Flake (wt. 13.5 ppg, yield 1.28), volume: 69.03 cf, includes no excess. Centralizers will be run on the bottom 2 joints, then every 10th joint thereafter or +/- 400', and Centralizers, to impact a swirling action, will be placed just below and into the base of the Ojo Alamo.

RCVD OCT 16 '09

OIL CONS. DIV.

DIST. 3

Spud Date:

Rig Release Date:

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

SIGNATURE

John Clark

TITLE District Superintendent

DATE

10-15-09

Type or print name John Clark

E-mail address: clark23j@kochind.com

PHONE: 505-334-9111

For State Use Only

APPROVED BY:

Ruby G. Balt

TITLE

Deputy Oil & Gas Inspector,

DATE

OCT 20 2009

Conditions of Approval (if any):

District #3

HALLIBURTON

CEMENT TEST REPORT
Halliburton Energy Services
Farmington District Laboratory
4109 E. Main
Farmington, NM 87499

To: Smith/Snyder
Halliburton Energy Services

Casing/Liner Lead
Total Depth: 2000 feet
BHST: 104 °F
BHCT: 85 °F

Report: FLMM3489

All tests performed according to modified API RP Spec 10, 1997

Thickening Time:
3:32 to 70 BC

F.W.
0.00%

Settling
0%

Fluid Loss
455 cc

Design
100% Standard Cement
3% Econolite
5#/sk Gilsonite
25#/sk Flocele

Cement
Density: 11.8 lb/gal
Yield: 2.57 cuft/sk
Water: 14.98 gal/sk

Compressive Strength
50 psi 2:29
500 psi 17:17

Rheology

	80deg F	
600	55	
300	48	
200	45	
100	41	
60	40	
30	39	
6	29	
3	28	
PV	10	
YP	40	

Name: Bill Loughridge
Title: Senior Scientist

Note: This report is for information and the content is limited to the sample described. Halliburton Energy Services makes no warranties, express or implied, as to the accuracy of the contents or results. Any user of this report agrees Halliburton shall not be liable for any loss or damage, regardless of cause, including any act or omission of Halliburton, resulting from the use thereof.

HALLIBURTON

Cement Test Report

Farmington District Laboratory
4109 E. Main
Farmington, NM 87499

To: Randy Snyder
Halliburton Energy Services

Report: FLMM41001

Total Vertical Depth: 4000 ft
BHST: 130 °F
BHCT: 90 °F

Slurry: 13.5 Intermediate Tail

All Test performed according to modified API RP Spec 10, 1997

Thickening Time to 70 Bc:

3hr : 58min

Free Water

0%

Settling

0%

Fluid Loss

983 cc/ 30min

Design

50% Standard Cement
50% San Juan Poz
2% Bentonite
3#/sk Gilsonite
0.125#/sk Pol-E-Flake

Production Cement

Density:	13.5	lb/gal
Yield:	1.33	ft ³ /sk
Water	5.36	gal/sk

Cured in UCA at 130°F

Compressive Strength

psi	Time
50	1hr 50min
500	3hr 50 min
1951	24 hr
3618	48 hr

Rheology

RPM	90°F
600	136
300	110
200	94
100	80
6	30
3	20
PV	45
YP	69

Bill Loughridge

Senior Scientist

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