

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

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

1. Operator Name and Address MURCHISON OIL & GAS INC 1100 MIRA VISTA BLVD. PLANO, TX 75093		2. OGRID Number 15363
		3. API Number 30-015-37701
4. Property Code 8132	5. Property Name OGDEN STATE	6. Well No. 009H

7. Surface Location

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
K	2	25S	26E	K	2230	S	1900	W	EDDY

8. Pool Information

BLACK RIVER; DELAWARE, SOUTH	96451
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Additional Well Information

9. Work Type New Well	10. Well Type OIL	11. Cable/Rotary	12. Lease Type State	13. Ground Level Elevation 3381
14. Multiple N	15. Proposed Depth 4816	16. Formation Cherry Canyon	17. Contractor	18. Spud Date 6/1/2010
Depth to Ground water		Distance from nearest fresh water well		Distance to nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> mls thick Clay <input type="checkbox"/> Pit Volume: bbls Drilling Method: Closed Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

19. Proposed Casing and Cement Program

Type	Hole Size	Casing Type	Casing Weight/ft	Setting Depth	Sacks of Cement	Estimated TOC
Surf	12.25	8.625	24	520	300	0
Prod	7.875	5.5	17	2650	310	0
Liner1	4.892	2.875	6.5	4816	0	

Casing/Cement Program: Additional Comments

8.625" Surf Casing: Cement w/ 300 sacks Prem Plus C1 C+addtvs w/ yield=1.35 cu. ft/sack; circ cement to surf. If cement doesn't circ, will run temp surv to find actual TOC & run 1" tubing into annulus/pump cement as nec. to achieve circ to surf. 5.500" Prod. Casing: Cement w/ 210 sacks 35:65 Poz: Prem Plus C1 C+additives w/ yield=1.88 cu.ft./sack, tail w/ 100 sacks Prem Plus C1 C+additives w/ yield=1.33 cu./ft./sack; circ cement to surf. If cement does not circ, will run temp surv to find actual TOC and run 1" tubing into annulus pump cement as required to achieve circ to surf. Completion will be 5-1/2" x 2-7/8" open-hole, uncemented packer system from 2,550' to 4,816' TD.

Proposed Blowout Prevention Program

Type	Working Pressure	Test Pressure	Manufacturer
Blind	3000	3000	TBD
Pipe	3000	3000	TBD
Annular	3000	3000	TBD

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 NMOCD guidelines <input type="checkbox"/> a general permit <input type="checkbox"/> or an (attached) alternative OCD-approved plan <input type="checkbox"/> .	OIL CONSERVATION DIVISION
Printed Name: Electronically filed by Michael Daugherty Title: President Email Address: ctracy@jdmii.com Date: 3/16/2010 Phone: 972-931-0700	Approved By: Jacqueta Reeves Title: District Geologist Approved Date: 3/29/2010 Expiration Date: 3/29/2012

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

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

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

DISTRICT IV
12230 S. ST. FRANCIS DR., SANTA FE, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
12230 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

Form C-102

Revised October 12, 2005

Submit to Appropriate District Office

State Lease - 4 Copies

Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name OGDEN STATE	Well Number 9H
OGRID No.	Operator Name MURCHISON OIL & GAS, INC.	Elevation 3381'

Surface Location

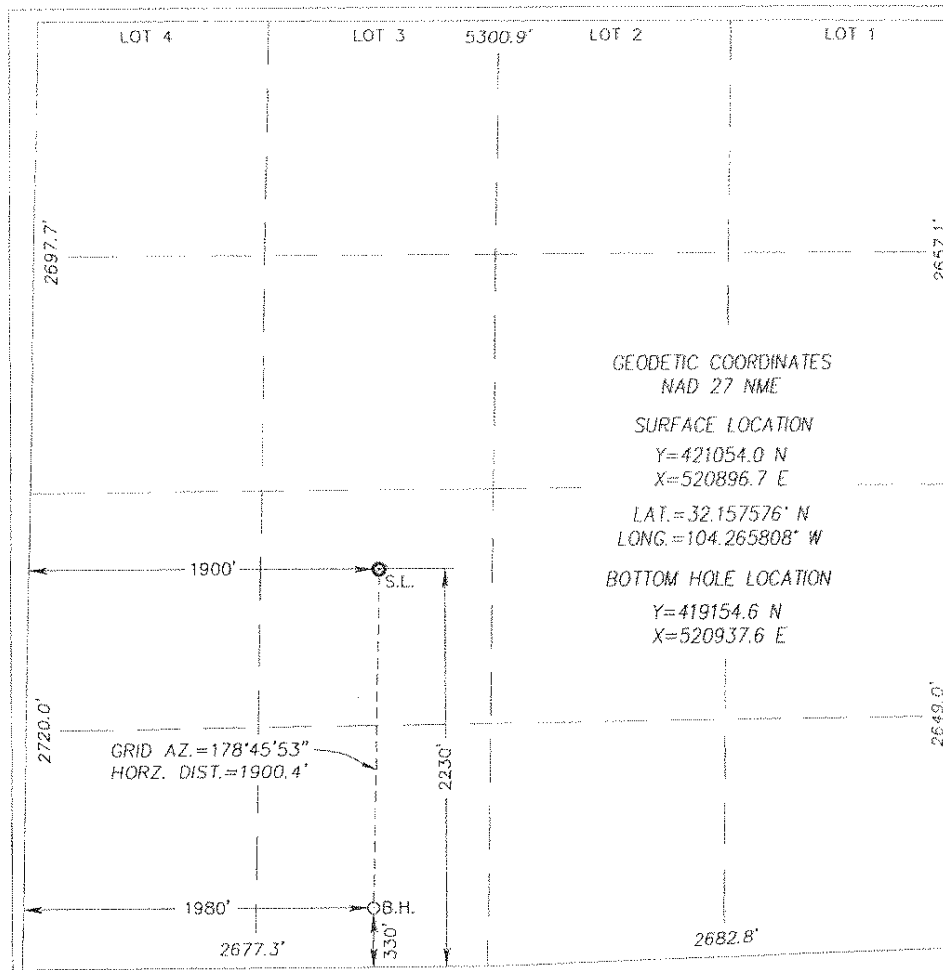
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
K	2	25-S	26-E		2230	SOUTH	1900	WEST	EDDY

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
N	2	25-S	26-E		330	SOUTH	1980	WEST	EDDY

Dedicated Acres	Joint or Infill	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



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.

Signature

Date

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.

FEBRUARY 10, 2010

Date Surveyed

DSS

Signature & Seal of
Professional Surveyor

GARY G. EIDSON
10.11.0195

Certificate No.

GARY G. EIDSON 12641
RONALD J. EIDSON 3239

Permit Comments

Operator: MURCHISON OIL & GAS INC , 15363

Well: OGDEN STATE #009H

API: 30-015-37701

Created By	Comment	Comment Date
MSDAUGHERTY	We respectfully request a variance for the 8-5/8" surf casing & BOP testing from Onshore Order No. 2, which states all casing strings below the conductor shall be pressure tested to 0.22 psi/ft. or 1500 psi, whichever is greater, but not to exceed 70% of the min internal yield. During the running of surf casing & drilling of the 8-5/8" hole, we do not anticipate pressures greater than 1000 psi 7 we are requesting a variance to test the 8-5/8" casing & BOP syst to 1000 psi and to use the rig pumps instead of an independent svc co.	2/18/2010
MSDAUGHERTY	Equivalent or adequate grades and weights of casing may be substituted at the time casing is run, depending on availability.	2/18/2010
MSDAUGHERTY	Rotary Drill. Closed Loop System (Form C-144 to follow).	2/18/2010
JVREEVES	Onshore Order No. 2 applies to Federal wells only.	3/29/2010
JVREEVES	The NMOCDC requires a pressure test of no less than 600psi and no more 1500psi.	3/29/2010
JVREEVES	OCD District II Supervisor requires a 3rd party BOP test.	3/29/2010
JVREEVES	Any changes to casing program requires a C-103 to notify OCD	3/29/2010