

Submit 3 Copies 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
May 27, 2004

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

WELL API NO. 30-039-30436
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No. Private
7. Lease Name or Unit Agreement Name Paul Williams
8. Well Number 004
9. OGRID Number 131994
10. Pool name or Wildcat Mesa Verde/Dakota

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)	
1. Type of Well: Oil Well <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator Four Star Oil & Gas Company	
3. Address of Operator P.O. Box 36366 Houston, TX 77236	
4. Well Location Unit Letter <u>E</u> : <u>1522</u> feet from the <u>North</u> line and <u>1224</u> feet from the <u>West</u> line Section <u>35</u> Township <u>26N</u> Range <u>6W</u> NMPM Rio Arriba County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6332'	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ Distance from nearest surface water _____	
Pit Liner Thickness: _____ mil Below-Grade Tank: Volume _____ bbls; Construction Material _____	

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

NOTICE OF INTENTION TO: PERFORM REMEDIAL WORK <input type="checkbox"/> PLUG AND ABANDON <input type="checkbox"/> TEMPORARILY ABANDON <input type="checkbox"/> CHANGE PLANS <input checked="" type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> OTHER: <input type="checkbox"/>	SUBSEQUENT REPORT OF: REMEDIAL WORK <input type="checkbox"/> ALTERING CASING <input type="checkbox"/> COMMENCE DRILLING OPNS. <input type="checkbox"/> P AND A <input type="checkbox"/> CASING/CEMENT JOB <input type="checkbox"/> OTHER: <input type="checkbox"/>
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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 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

Four Star Oil & Gas respectfully requests the approval of a change to our original drilling plan for the above referenced well to allow mud based drilling. A revised 9 Point Drilling Plan is attached for your use and review.

RCUD MAR 20 '08

OIL CONS. DIV.

DIST. 3

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOCD guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE Pamela Rainey TITLE Regulatory Specialist DATE 3/19/08

Type or print name Pamela Rainey E-mail address: prcx@chevron.com Telephone No. 281-561-4859

For State Use Only

APPROVED BY: [Signature] TITLE Deputy Oil & Gas Inspector, District #3 DATE MAR 24 2008
Conditions of Approval (if any): \$

Four Star Oil & Gas Company
Paul Williams 4
1522' FNL, 1224' FWL
SW/4 NW/4. Sec 35 T26N R6W
Rio Arriba County, NM

NINE POINT DRILLING PLAN

1. TOP OF MAJOR GEOLOGIC GROUPS:

	TVD	THICKNESS TVD
Mesa Verde	4,225'	915'
Gallup (potentially)	5,960'	765'
Dakota	6,935'	265'

2 A. ESTIMATED FORMATION TOPS (KB):

Formation	Depth TVD
Ojo Alamo	1880
Kirtland	2110
Fruitland	2250
Fruitland Coal	2350
Picture Cliffs Sst	2560
Lewis Shale	3440
Mesa Verde (Cliff House)	4225
Mesa Verde (Menefee)	4250
Mesa Verde (Point Lookout)	4800
Mancos	5140
Gallup	5960
Greenhorn	6725
Graneros	6780
Dakota	6935
TD	7544' MD / 7,200' TVD

2 B. NOTABLE ZONES AND PLAN FOR PROTECTION:

Gas or Oil Zones	Water Zones	Coal Zones
Mesaverde	Ojo Alamo	Fruitland
Gallup	Kirtland	
Dakota		

Water zones will be protected with casing, cement, and weighted mud. Fresh water found while drilling will be recorded. Oil or gas shows will be tested for commercial potential based on the engineer's recommendations.

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3. PRESSURE CONTROL EQUIPMENT:

Maximum anticipated pressure is ~ 2700 psi.

Pressure control equipment shall be in accordance with BLM minimum standards.

One 11" 3M double ram preventer and one 11" 3M annular preventer will be used. The double ram preventer will be equipped with pipe rams on bottom and blind rams on top. All BOPs meet API 16D. One Shaffer 7 station accumulator, API 16E. One 3" 5M choke manifold. The choke and kill lines will be connected to outlets below the bottom rams, utilizing either the ram body outlet or a drilling spool with side outlets. Tests will be recorded on IADC log. Please refer to attached schematic. Test procedure and frequency shall be in accordance with BLM minimum standards for 3000 psi equipment, per BLM Oil & Gas Order #2.

4. SUPPLEMENTAL DRILLING EQUIPMENT AND CASING INFORMATION:

Casing Information: All casing will be new pipe and tested to 1500 psi.

Hole Size	O.D.	Weight (lb/ft)	Grade	Age	Connection	GL Setting Depth TVD
12-1/4"	9-5/8"	36#	J-55	New	LTC	400'
8-3/4"	7"	23#	N-80	New	LTC	4000'
6-1/4"	4-1/2"	11.6#	N-80	New	LTC	7544' MD / 7200' TVD

5. CEMENT INFORMATION:

Surface casing will be cemented to the surface with ~290 cu. ft. (~245 sx) Mountain G Premium cmt (1.2 ft³/sx yield, 15.6 ppg, & 5.24 gps) with 2% CaCl₂ and 1/4#/sx Poly-E-Flake. Volume based on 100% excess. We plan to run a minimum of at least 3 centralizers. A wiper plug will be displaced to within 20' of the shoe. WOC = 8 hours minimum. Surface casing will be tested to 500 psi for 15 minutes.

Cementing equipment will include a guide shoe, one shoe jt and float collar. Centralizers will be placed on the bottom four joints.

Intermediate casing will be cemented to surface. Volumes are calculated at 75% excess. If cement does not circulate to surface, then a temperature survey will be run to determine the actual cement top as needed. WOC = 8 hours minimum. Test to 1000 psi for 15 minutes.

Lead cement will be ~950 cu. ft. (~500 sx) Halliburton Light Premium w/ 5#/sx gilsonite, 12.4 ppg for a yield of 1.89 cu. ft. per sx.

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Tail cement will be ~184 cu. ft. (~160 sx) 50/50 Poz Standard w/ 5#/sx gilsonite & ¼#/sx Poly-E-Flake, 13.5 ppg for a yield of 1.30 Cu. ft. per sx.

Cementing equipment will include a guide shoe, one shoe jt and float collar will be run 20' off bottom. We plan on running at least 10 centralizers.

Production casing will be cemented up to 500' inside the intermediate casing with a single stage. Volumes are calculated at 50% excess. If necessary, a CBL will be run during completion operations to insure cement coverage inside the 7" intermediate casing. Casing will be pressure tested to 6000 psi during completion operations.

Primary cement will be ~787 cu. ft. (~560 sx) 50/50 Poz Premium w/ ¼#/sx Poly-E-Flake, 5 lbm/sk Gilsonite, 0.8% Halad ®-9, 0.1% HR-5, 13.1 ppg for a yield of 1.41 Cu. ft. per sx.

Cementing equipment will include a guide shoe, one shoe jt and float collar will be run as close as to the bottom as we can with a centralized shoe joint and next five joints. Centralizers will be run across the producing zones.

6. CIRCULATING MEDIUM AND MUD TYPE:

Depth TVD	Type	Wt./ppg	Viscosity	Fluid Loss	pH
Spud – 400'	WBM	8.4 – 8.8	32 – 38	NC	9-9.5
400' – 4000'	WBM	8.4 – 9.0	28 – 42	10-12	9-10
4000' – TD	WBM	9.0 – 9.5	40 – 45	≤8	9 – 10

Lost circulation and absorption material will be on location.

7. ANTICIPATED TYPE AND AMOUNT OF LOGGING, CORING, AND TESTING:

Open hole logs are planned. No cores or drill stem tests are planned.

8. EXPECTED BOTTOM HOLE PRESSURE AND ANY ANTICIPATED ABNORMAL PRESSURE, TEMPERATURES, OR OTHER HAZARDS (H₂S, STEAM, ETC.) AND ASSOCIATED CONTINGENCY PLANS:

No abnormal pressures, temperatures, nor hydrogen sulfide are expected. Maximum pressure will be less than ~2700 psi.

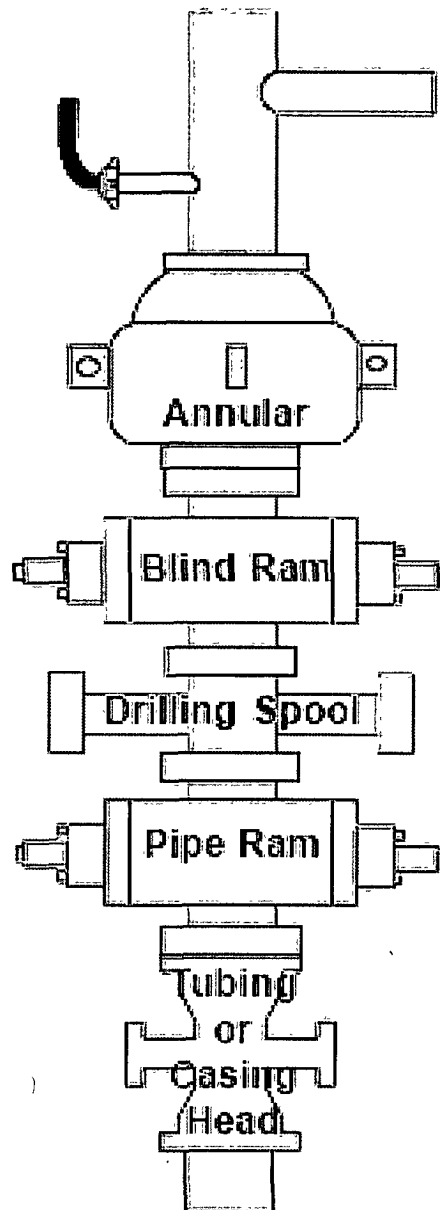
**Four Star Oil & Gas Company
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9. OTHER:

It is expected it will take approximately ten (10) days to drill and ten (10) days to complete the well. Completion will start approximately one month after the spud and will include hydraulic fracturing.

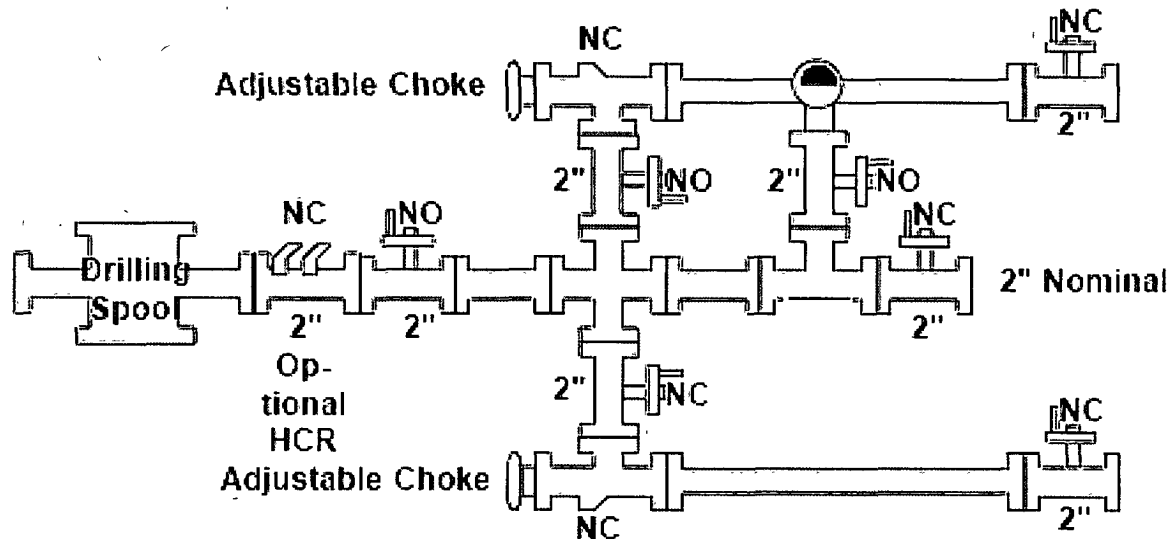
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CLASS III BOP SCHEMATIC



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CLASS III CHOKE SCHEMATIC



NO	Normally Open
NC	Normally Closed

