

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

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.

Santa Fe, NM 87505

Form C-103

Revised March 25, 1999

WELL API NO.

30-045-30506

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name:

New Mexico Com

7. Well No.

1C

9. Pool name or Wildcat

Blanco-Mesa Verde

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 ☐ Gas Well ☒ Other

2. Name of Operator

Four Star Oil and Gas Company

3. Address of Operator

11111 S. Wilcrest Houston, Texas 77099

4. Well Location

Unit Letter G : 2135 feet from the North line and 1840 feet from the East line

Section 36 Township 30N Range 10W NMPM San Juan County

10. Elevation (Show whether DR, RKB, RT, GR, etc.)

5832' GR

11. 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 COMPLETION ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐

CASING TEST AND CEMENT JOB ☐

OTHER: ☐

12. 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 recompilation.

As per the attached Four Star Oil and Gas hereby proposes to perforate and hydraulically fracture the Cliffhouse portion of the Mesa Verde formation.

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

SIGNATURE Kenneth W. Jackson TITLE Regulatory Specialist DATE 4/17/03

Type or print name Kenneth W. Jackson
(This space for State use)

Telephone No. (281) 561-4991

APPROVED BY [Signature] TITLE DEPUTY OIL & GAS INSPECTOR, DIST. 84 DATE APR 21 2003

Conditions of approval, if any:

**New Mexico Com 1C
Add Perfs in Cliffhouse**

1. POOH with plunger.
2. MIRU workover rig. ND wellhead. NU BOP and pressure test same.
3. POOH with 2 3/8" tubing.
4. RIH with composite bridge plug and set at 4160' (note collars at 4152' and 4195') above the existing Point Lookout and Menefee perfs.
5. RU Schlumberger. Install lubricator. Perforate the Mesaverde – Cliffhouse as shown below. Note that existing perfs are from 4242' – 4759' (Point Lookout and Menefee).

Perforation Details:

Interval	Thickness	Interval Between	Gun	Charge	spf	Phasing	# Shots
4005 4008	3		3 1/8" HEGS	34B, HJ RDX	2	90	6
4028 4055	27	20	3 1/8" HEGS	34B, HJ RDX	2	90	54
4104 4137	33	49	3 1/8" HEGS	34B, HJ RDX	2	90	66
4005 4137	132						126

Correlation Log: Schlumberger Triple Combo log.

6. RD mast truck.
7. RIH with 2 7/8", 8.7#, P-100 (PH6) workstring and set RTTS full bore 4 1/2" packer at 3970' (note collars at 3940' and 3984') with 10,000lbs compression. Install frac stack. RU rig pump to backside and hookup to monitor same. Hold 300psi pressure on backside. Do not exceed this pressure. Squeeze holes have only been tested to 1000psi.
8. Hydraulically frac Cliffhouse down 2 7/8" work string as follows. Ensure correct flush volume calc'd on site.

Treatment Schedule:

#/net foot 1429

Stage No.	Fluid Type	flow rate (bpm)	N2 rate scf/min	Btm Slry Fm	Btm N2 qual	Btm Prop Conc	Btm Prop Conc	Btm Clean Volume	Btm Cln Fm Volume	Btm Total Sl Volume	Stage Time (min)	Total Time (min)	Stage Mass (lb)	Total Mass (lb)
				Rate (bpm)	%	(ppg)	(ppg)	(gal)	(gal)	(gal)				
Pad	70% foam w/ slickwater	9.0	18,039	30.0	70.0	0.0	0.0	3,600	12,000	3,600	9.52	9:31	0	0
0.5	70% foam w/ slickwater	9.5	17,640	30.0	70.0	1.7	0.5	4,800	16,000	8,760	12.99	22:30	8,000	8,000
1.0	70% foam w/ slickwater	9.9	17,258	30.0	70.0	3.3	1.0	5,100	17,000	14,630	14.1	36:36	17,000	25,000
1.5	70% foam w/ slickwater	10.3	16,892	30.0	70.0	5.0	1.5	5,400	18,000	21,250	15.26	52:51	27,000	52,000
2.0	70% foam w/ slickwater	10.7	16,542	30.0	70.0	6.7	2.0	5,700	19,000	28,760	16.44	68:18	38,000	90,000
ppg	2% KCL	9.0	18,039	30.0	70.0	0.0	0.0	810	2,700	29,840	2.14	70:27		
Flush														

Total Clean Volume = 25,410 Gal Total Net Feet 63 ft
Total Clean Volume = 605 bbls Total Sand Mass = 16/30 Brady 90,000 Lb

9. RU flowback line with 1/2" choke and flow well to pit. Flow and clean up well.
10. RD frac stack. POOH with 2 7/8" workstring and RTTS full bore 4 1/2" packer.
11. PU bit and 2 3/8", 4.6#, J-55 tubing. Clean out sand and drill out composite plug at 4160'.
12. RIH with production string as follows : 2 3/8" mule shoe guide, Otis 2 3/8" X nipple, 127 jnts 2 3/8", 4.6#, J-55 tubing to surface. EOT to be at ~4000'.
13. ND BOP. NU wellhead. RDMO workover rig.
14. Install PCS 3000 ultraflow plunger lift in X nipple. Hook well to gas sales line and place well on production..

Dimensions and Capacities

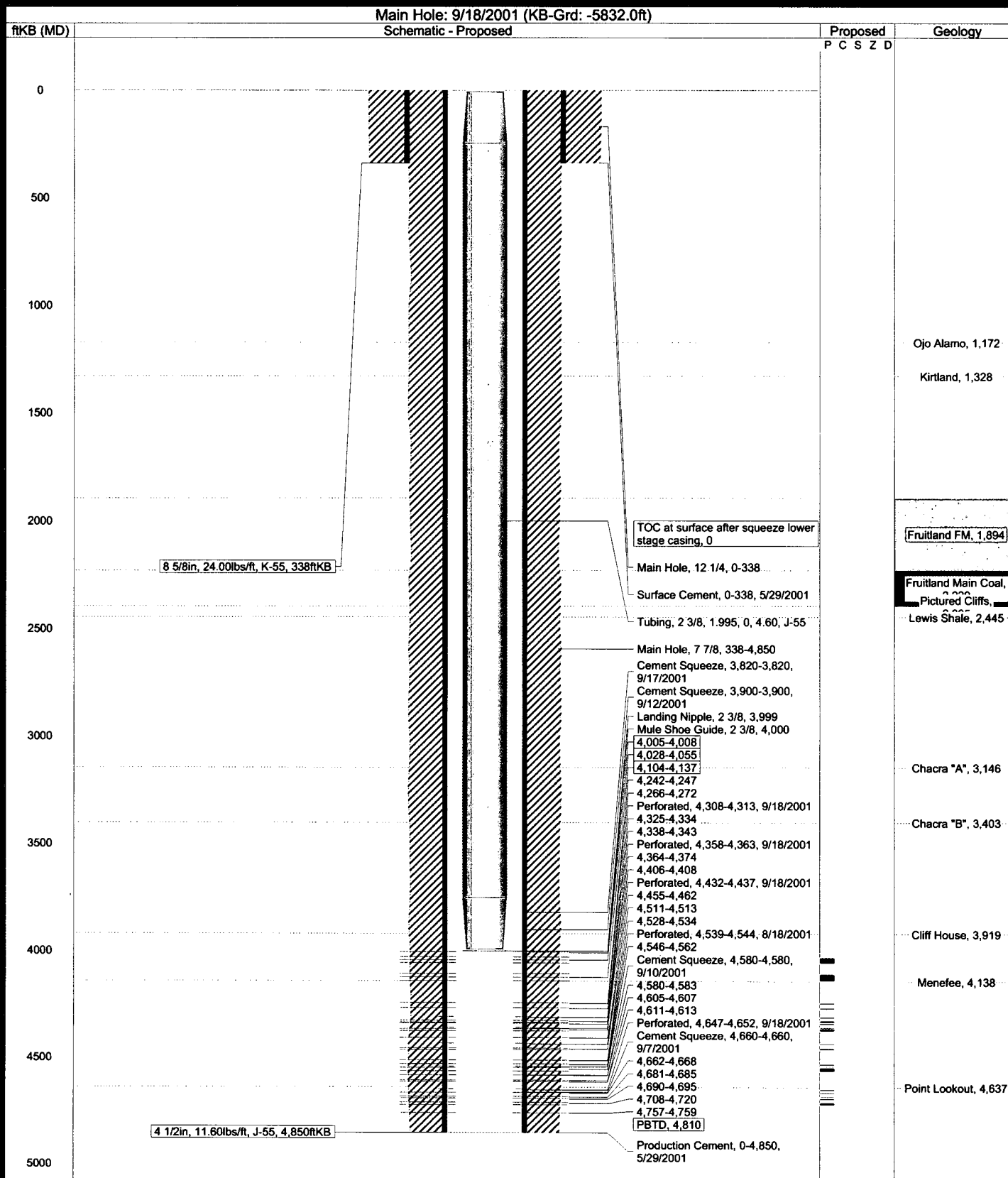
Item	O.D.	Wt / Ft	Grade	Thread	I.D.	Drift	Bbl/LF	LF/Bbl	Gal/LF	LF/Gal	Burst
Csg	4-1/2"	11.6 #	J-55	8RD	4.000	3.875	0.01550	64.34	0.6528	1.5319	5,350
Tbg	2-3/8"	4.6#	J-55	8RD	1.995	1.901	0.00387	258.65	0.1624	6.1582	7,700
2 3/8" x-nipple					1.875						

New Mexico Com 1C

Current Schematic



API/UWI 3004530506	Field Name Blanco	Area	Operator Four Star O&G	County San Juan	State/Province New Mexico	Surface Legal Location 2135 FNL & 1840FEL Sec36 T30N R10W
KB Elevation (ft)	Ground Elevation (ft) 5832.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Spud Date 4/9/2001	



New Mexico Com 1C

Well Summary

API/UWI 3004530506	Field Name Blanco	Area	Operator Four Star O&G	County San Juan	State/Province New Mexico
KB Elevation (ft)	Ground Elevation (ft) 5832.00	Casing Flange Elevation (ft)	KB-Ground Distance (ft)	KB-Casing Flange Distance (ft)	Spud Date 4/9/2001

Location

East/West Distance (ft)	East/West Reference	North/South Distance (ft)	North/South Reference
Latitude (DMS) 36° 46' 11.604" N	Longitude (DMS) 107° 49' 58.944" W		
Legal Survey Type	Surface Legal Location 2135 FNL & 1840FEL Sec36 T30N R10W		

Wellbore

Name Main Hole	Profile Type	VS Dir (°)
Size (in)	Top (ftKB)	Btm (ftKB)
12 1/4	0.0	338.3
7 7/8	338.3	4,850.0

Casing Description Surface	Btm (ftKB) 338.3	Max OD (in) Wt (lbs/ft) 8 5/8 24.00	Grade K-55	Drift Min (in)
Item Des	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)
Casing Joints	8 5/8	24.00	K-55	0.0
Float Collar	8 5/8			295.0
Casing Joints	8 5/8	24.00	K-55	295.0
Guide Shoe	8 5/8			337.8
Casing Description Production	Btm (ftKB) 4,850.0	Max OD (in) Wt (lbs/ft) 4 1/2 11.60	Grade J-55	Drift Min (in)
Item Des	OD (in)	Wt (lbs/ft)	Grade	Top (ftKB)
Casing Joints	4 1/2	11.60	J-55	0.0
Stage Tool	4 1/2			3,762.0
Casing Joints	4 1/2	11.60	J-55	3,762.0
Float Collar	4 1/2			4,810.0
Casing Joints	4 1/2	11.60	J-55	4,810.0
Guide Shoe	4 1/2			4,849.0

Formations

Name	Top (ftKB)
Ojo Alamo	1,172.0
Kirtland	1,328.0
Fruitland FM	1,894.0
Fruitland Main Coal	2,229.0
Pictured Cliffs	2,395.0
Lewis Shale	2,445.0
Chacra "A"	3,146.0
Chacra "B"	3,403.0
Cliff House	3,919.0
Menefee	4,138.0
Point Lookout	4,637.0

Cement

String	Des	Comment	Top (ftKB)	Btm (ftKB)
Surface, 338.3ftKB	Cement		0.0	338.3
Production, 4,850.0ftKB	Cement	55 Bbl cement to surface	0.0	4,850.0
Production, 4,850.0ftKB	Cement Squeeze		4,580.0	4,580.1
Production, 4,850.0ftKB	Cement Squeeze		3,820.0	3,820.1
Production, 4,850.0ftKB	Cement Squeeze		3,900.0	3,900.1
Production, 4,850.0ftKB	Cement Squeeze		4,660.0	4,660.1

Tubing Strings

Tubing Description tubing	Btm (ftKB) 4,000.0	Max OD (in) Wt (lbs/ft) 2 3/8 4.60	Grade J-55	Min ID (in) 1.995
Item Des	Top (ftKB)	OD (in)	Wt (lbs/ft)	Grade
Tubing	0.0	2 3/8	4.60	J-55
Landing Nipple	3,999.0	2 3/8		
Mule Shoe Guide	3,999.5	2 3/8		

Pumping Unit

Rods

Jobs

Job Cat	Summary	Start Date	End Date

Perforations

Date	Top (ftKB)	Btm (ftKB)	Gun Sz (in)	Shot Dens (shots/ft)
	4,005.0	4,008.0		2.0
	4,028.0	4,055.0		2.0
	4,104.0	4,137.0		2.0
	4,242.0	4,247.0		2.0
	4,266.0	4,272.0		2.0
9/18/2001 00:00	4,308.0	4,313.0		2.0
	4,325.0	4,334.0		2.0
	4,338.0	4,343.0		2.0
9/18/2001 00:00	4,358.0	4,363.0		2.0
	4,364.0	4,374.0		2.0
	4,406.0	4,408.0		2.0
9/18/2001 00:00	4,432.0	4,437.0		2.0
	4,455.0	4,462.0		2.0
	4,511.0	4,513.0		2.0
	4,528.0	4,534.0		2.0
8/18/2001 00:00	4,539.0	4,544.0		2.0
	4,546.0	4,562.0		2.0
	4,580.0	4,583.0		2.0
	4,605.0	4,607.0		2.0
	4,611.0	4,613.0		2.0
9/18/2001 00:00	4,647.0	4,652.0		2.0
	4,662.0	4,668.0		2.0
	4,681.0	4,685.0		2.0
	4,690.0	4,695.0		2.0
	4,708.0	4,720.0		2.0
	4,757.0	4,759.0		2.0

Other In Hole

Des	Run Date	Pull Date	Top (ftKB)	OD (in)	ID (in)