

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS ^{200 APR -3 PM 2:50}

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.

Use "APPLICATION FOR PERMIT -" for such proposals

Use Designation and Serial No.

NM-014378

6. If Indian, Alottee or Tribe Name

7. If Unit or CA, Agreement Designation

1. Type of Well: ☐ OIL WELL ☒ GAS WELL ☐ OTHER

2. Name of Operator
FOUR STAR OIL AND GAS COMPANY

3. Address and Telephone No. 3300 N. Butler Ave. Ste 100 Farmington NM 87401 325-4397

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

Unit Letter M : 890 Feet From The SOUTH Line and 790 Feet From The

WEST Line Section 23 Township 29N Range 12W

8. Well Name and Number
H J LOE FEDERAL B

9. API Well No.
3004507955

10. Field and Pool, Exploratory Area
BASIN DAKOTA (PRORATED GAS)

11. County or Parish, State
SAN JUAN , NM

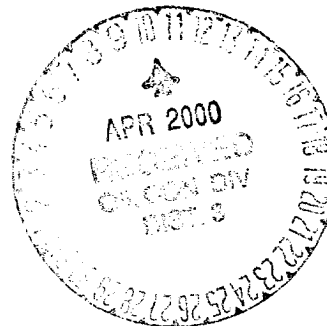
12. Check Appropriate Box(s) To Indicate Nature of Notice, Report, or Other Data

| TYPE OF SUBMISSION | TYPE OF ACTION |
|--|--|
| <input checked="" type="checkbox"/> Notice of Intent | <input type="checkbox"/> Abandonment |
| <input type="checkbox"/> Subsequent Report | <input checked="" type="checkbox"/> Recompletion |
| <input type="checkbox"/> Final Abandonment Notice | <input type="checkbox"/> Plugging Back |
| | <input type="checkbox"/> Casing Repair |
| | <input type="checkbox"/> Altering Casing |
| | <input checked="" type="checkbox"/> OTHER: side track,perf,frac DK |
| | <input type="checkbox"/> Change of Plans |
| | <input type="checkbox"/> New Construction |
| | <input type="checkbox"/> Non-Routine Fracturing |
| | <input type="checkbox"/> Water Shut-Off |
| | <input type="checkbox"/> Conversion to Injection |
| | <input type="checkbox"/> Dispose Water |

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log Form.)

13. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true verticle depths for all markers and zones pertinent to this work.)

Four Star Oil and Gas Co. requests approval to side track,perforate, and frac the Dakota formation in the subject well. See attached wellbore diagram and and procedures.



14. I hereby certify that the foregoing is true and correct

SIGNATURE Arthur D. Archibeque TITLE Eng. Assistant DATE 03/30/2000

TYPE OR PRINT NAME Arthur D. Archibeque

APPROVED BY /s/ Charlie Beecham TITLE DATE APR - 5 2000

CONDITIONS OF APPROVAL, IF ANY:

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

NMOCB

March 16, 2000

H.J. LOE B 3 -SIDETRACK, PERF, FRAC DAKOTA

- 1) MIRU SERVICE UNIT. KILL WELL WITH 100 BBLS OF 3 % KCL WATER. ND WELLHEAD, NU BOP AND TEST. TAG PBTD AT ~ 5744'. POOH WITH 2 3/8" TUBING.
- 2) SET 50' CEMENT PLUG ON TOP OF FISH.
- 3) TIH WITH BIT AND SCRAPER FOR 4 1/2" 9.5# CASING. CLEAN HOLE 50' ABOVE PBTD. POH.
- 4) RU SCHLUMBERGER. RUN GR-CCL LOG. WIRELINE SET A 4 1/2" RETRIEVABLE BRIDGE PLUG IMMEDIATELY ABOVE A CASING COLLAR SUCH THAT WINDOW DOES NOT GO THRU A COLLAR.
- 5) TIH W/ WHIPSTOCK, SHEAR OFF AND START MILLING THROUGH CASING WITH STARTER MILL. POH
- 6) TIH WITH SECOND MILLING ASSEMBLY (WINDOW MILL, WATERMELON MILL), MILL 3-4' OF OPEN HOLE POH.
- 7) TIH WITH DRILL COLLARS, BIT, REAMER, & JARS. DRILL TO TD AT 6120'. CIRCULATE HOLE CLEAN. POH.
- 8) TIH WITH UNDER REAMER TO PBTD.
- 9) TIH WITH 560' 3 1/2" ATLAS BRADFORD FL-4S FLUSH JOINT TUBING ON 2 3/8" TUBING WITH SAFETY JOINT ABOVE LINER.
- 10) RU DOWELL. BATCH MIX CEMENT FOR EXACT VOLUMES. CEMENT LINER IN PLACE WITH TOP OF CEMENT 10' BELOW LINER TOP. RELEASE FROM SAFETY JOINT AND POH.
- 11) TIH WITH 4 1/2" BIT AND SCRAPER TO LINER TOP. POH. TIH WITH BIT AND SCRAPER FOR 3 1/2" FLUSH JOINT LINER TO PBTD. POH
- 12) RU SCHLUMBERGER. RUN GR-CCL-CBL FROM TD AT ~ 6115 TO THE TOP OF CEMENT BEHIND THE 4 1/2" CASING. PERFORATE DAKOTA FROM 5970-86 AND 6042-68 WITH 4 SPF, 0.32" HOLES.
- 13) TIH WITH FULL BORE PACKER, 2 7/8" WORK STRING WITH SEATING NIPPLE. SET PACKER APPROXIMATELY 100' BELOW THE TOP OF CEMENT [BEHIND 4 1/2"] AS DETERMINED BY THE CBL. DROP PLUG AND PRESSURE TEST TUBING TO MAX FRAC PRESSURE. RETRIEVE PLUG.
- 14) RU DOWELL. FRAC DAKOTA PER ATTACHED PROCEDURE.
- 15) POH WITH TUBING AND PACKER, LAY DOWN 2 7/8". PICK UP 2" TUBING AND BIT FOR 3 1/2" CASING. CLEAN HOLE TO PBTD AT 6115'. POH. LAY DOWN PACKER AND TIH WITH 2" TUBING, SEATING NIPPLE AND PLUNGER LIFT ASSEMBLY TO 6019'.
- 16) KILL WELL, REMOVE BOP, INSTALL WELLHEAD.
- 17) PLACE WELL ON PRODUCTION.

WELL INFORMATION:

CASING: 4.5", 9.5# J-55 SET AT 6620', CMT TOP 4949' (CALCULATED); BURST=4380 PSI, COLLAPSE= 3310 PSI. DRIFT DIAMETER = 3.965"

DV TOOL AT 1759';

WORK STRING TUBING: 2 7/8" J-55 BURST=7260 PSI, COLLAPSE=7680 PSI.
O.D. =3.50"

3 1/2" K-55 ATLAS BRADFORD FL-4S FLUSH JOINT TUBING:
O.D. = 3.5"
I.D. = 2.867
JOINT STRENGTH = 74,000 LBS

LOGGING TOOL O.D. = 1 11/16"
PERF GUN O.D. = 2.125"



H. J. LOE FEDERAL B No. 3

MFK
3/14/00

PROPOSED COMPLETION

API #30-045-07955

LOCATION:

Unit M, 890' FSL & 790' FWL
Sec. 23, T29N, R12W
San Juan County

SPUD DATE: 9/16/60

COMPL. DATE: 10/10/60

FULCHER KUTZ PICTURED CLIFFS PERFORATIONS:

1520'-50', 4 SPF, frac w/
144,000 # 20/40
1618'-22', 4 SPF, frac
w/ 35,000 # 20/40

Cement squeezed
March, 2000

FORMATION TOPS:

Pictured Cliffs 1505'
Mesa Verde 3070'
Mancos 4240'
Gallup 5137'
Greenhorn 5874'
Dakota 5970'

TOC @ 4946'
(Calc. w/ 25% excess)

Top of Fish #2 @ 5744'
3/4 JTS of 2-3/8" TBG
2 XO, JARS
3 JTS WASHPIPE

Est. Top of Fish #1 @ 5800'
3-3/4" Mill Shoe @ Approx. 5835'

DAKOTA PERFS:

5970' - 86' Perf 2 SPF,
frac w/ 12000 # sand
6042-68' Perf 2 SPF
frac w/ 26000 # sand

9-5/8", 32.3# Csg.
Set @ 211' in 12-1/4" Hole.
w/ 150 sx. cmt.
TOC = 0 (circ)

4-1/2", 9.5# J-55 Csg.
Set @ 6220' in 8-3/4" Hole.
1st Stage w/ 425 sx. cmt.

SQZ Holes @ 1510' (8/4/92)
TOC @ Surface
TOC @ 1552' Primary CMT Job
(By CBL 8/3/92)

DV Tool @ 1759' CMT
2nd Stage w/ 100 sx. cmt.

Packer set at ~ 5000'
on 2 7/8" Tbg

Baker liner hanger @ ~ 5650

Casing window at ~ 5660-80; kickoff angle will
be 3 degrees from vertical.

Perf 5970-86,
6042-68 w/ 4 SPF
3 1/2" 9.3 # Atlas Bradford
FL-4S flush joint liner @ 6120'

Bottom hole location will be 24 feet
from old casing at 3 degree angle.

PBTD - 6220'
TD - 6220'