

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

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

WELL API NO. 30-039-23504
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name TRIBAL C
8. Well Number #12E
9. OGRID Number 234550
10. Pool name or Wildcat BASIN DAKOTA/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 <input type="checkbox"/> Gas Well <input checked="" type="checkbox"/> Other	
2. Name of Operator NOBLE ENERGY, INC.	
3. Address of Operator 5802 US HIGHWAY 64, FARMINGTON, NM 87401	
4. Well Location Unit Letter M : 790 feet from the SOUTH line and 790 feet from the WEST line Section 8 Township 26N Range 3W NMPM RIO ARRIBA County	
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 6952 'GR	
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input type="checkbox"/>	
Pit type reserve Depth to Groundwater >100' Distance from nearest fresh water well >1000' Distance from nearest surface water >1000'	
Pit Liner Thickness: 12 mil Below-Grade Tank: Volume bbls: Construction Material reinforced polyethylene plastic	

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 type="checkbox"/> PULL OR ALTER CASING <input type="checkbox"/> MULTIPLE COMPL <input type="checkbox"/> OTHER <input type="checkbox"/> COMMINGLE PRODUCTION <input checked="" 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"/>	
---	--	---	--

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.

Noble Energy
~~Patina San Juan Inc.~~ proposes the downhole commingle of the Basin Dakota (pool #71599) and Blanco Mesa Verde (pool #72319) in this wellbore. There are commingle approvals on the Basin Dakota/Blanco Mesa Verde. All of these pools are pre-approved under NMOCD Order #11563. This well will be commingled upon approval from the NMOCD in the Fall of 2010.

Attachments

R- 11363

RCVD OCT 12 '10

OIL CONS. DIV.

DIST. 3

DHC 3495 AZ

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 *[Signature]* TITLE Regulatory Compliance DATE 09/1/2010

Type or print name
For State Use Only

E-mail address:

Telephone No.

SUPERVISOR DISTRICT # 3

APPROVED BY: *[Signature]* TITLE _____ DATE DEC 21 2010

Conditions of Approval (if any):

[Signature]

WORKING INTEREST OWNERS

Re: **Application to Down-Hole Commingle**
Tribal C 12E
API 30-039-23504
UL "M" Sec 8, T26N – R3W
Rio Arriba County, New Mexico

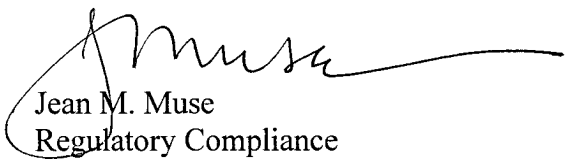
To Whom It May Concern:

Noble Energy, Inc. has submitted to the State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division an application to down-hole commingle the above-referenced well. Noble plans to down-hole commingle the Basin Dakota and Blanco Mesa Verde pools in this wellbore. These are pre-approved pools per NMOCD Order #11563. The well was initially completed in both the Dakota and Mesa Verde formations.

Enclosed is a complete copy of the application submitted. Any objections must be submitted in writing to the State of New Mexico Energy, Minerals and Natural Resources Oil Conservation Division, 1000 Rio Brazos Road, Aztec, NM 87410 within twenty (20) days of receipt of this letter.

Please contact me at (505) 632-8056 with any further questions or concerns.

Cordially,
Noble Energy, Inc.



Jean M. Muse
Regulatory Compliance



To: Billie Maez, Farmington

From: Brittany Rothe, Denver

Date: August 5, 2010

Subject: Workover to retrieve inoperative plunger for the Mesa Verde (Point Lookout, PL) formation, remove CIBP over Dakota, and commingle production from Point Lookout and Dakota.

Tribal C 12E

Sec 8 T26N R3W, C SW SW
Rio Arriba County, NM
Jicarilla Field

API#: 30-039-23504

AFE#: 128596

WI: 94.67%

NRI: 71.01%

Current Production: 22 MCFPD (PL)

Target Production: 40 MCFPD (PL) & 25 MCFPD (DK)

Success Probability: Pending

Well History

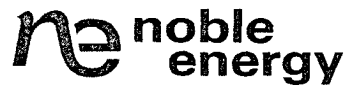
Consolidated Oil & Gas drilled and completed the Tribal C 12E as a Basin Dakota producer in August and September of 1984. Post-frac, the Dakota was tested with an initial potential of 1.017 MMCFPD and produced at initial rate of 0.9 MMCFPD in October of 1984. Cumulative production from the Dakota is 0.382 BCF to 2005.

The Tribal C 12E produced uninterrupted for 18 years until Cordillera replaced its 1-1/2" tubing string with a 2-3/8" tubing string and new plunger system. The well produced steadily for another few years until Patina Oil and Gas recompleted the well in the Point Lookout member of the Mesa Verde.

In January and February of 2005, the Point Lookout was perforated and frac'd. A CIBP was set over the Dakota at 6050' prior to the recomplete. The well was put on production on 2-4-05 with the tubing set at 5825', in the middle of the Point Lookout perfs (tests showed a 24 hour rate of 393 mcf/d from the Pt. Lookout). There is no record of the CIBP over the Dakota ever being removed.

This well has produced from the Point Lookout since its frac in 2005 (currently making 22 mcf/d) but it appears that the plunger system is not operating. An attempt was made to retrieve the plunger that was servicing the Pt. Lookout on 9/6/05; the report showed possible sand and no recovery of the plunger.

An AFE was written in 10/2006 to commingle the zones in this well, but there is no record that this work was ever done. The current recommendation for the Tribal C 12E is to recover the plunger for the Pt. Lookout, remove the CIBP above the Dakota, and TIH with production equipment to commingle the zones.



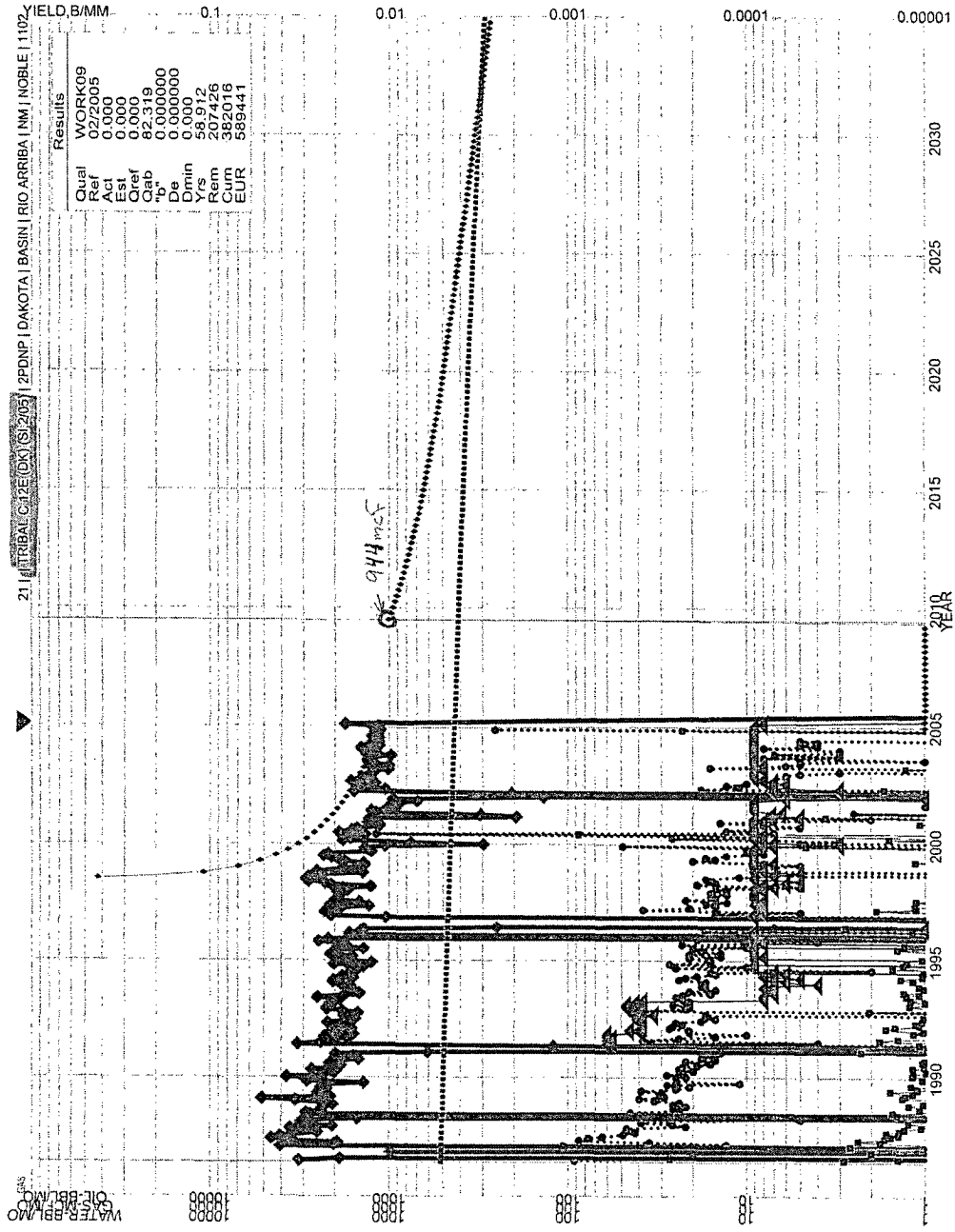
WORKOVER PROCEDURE

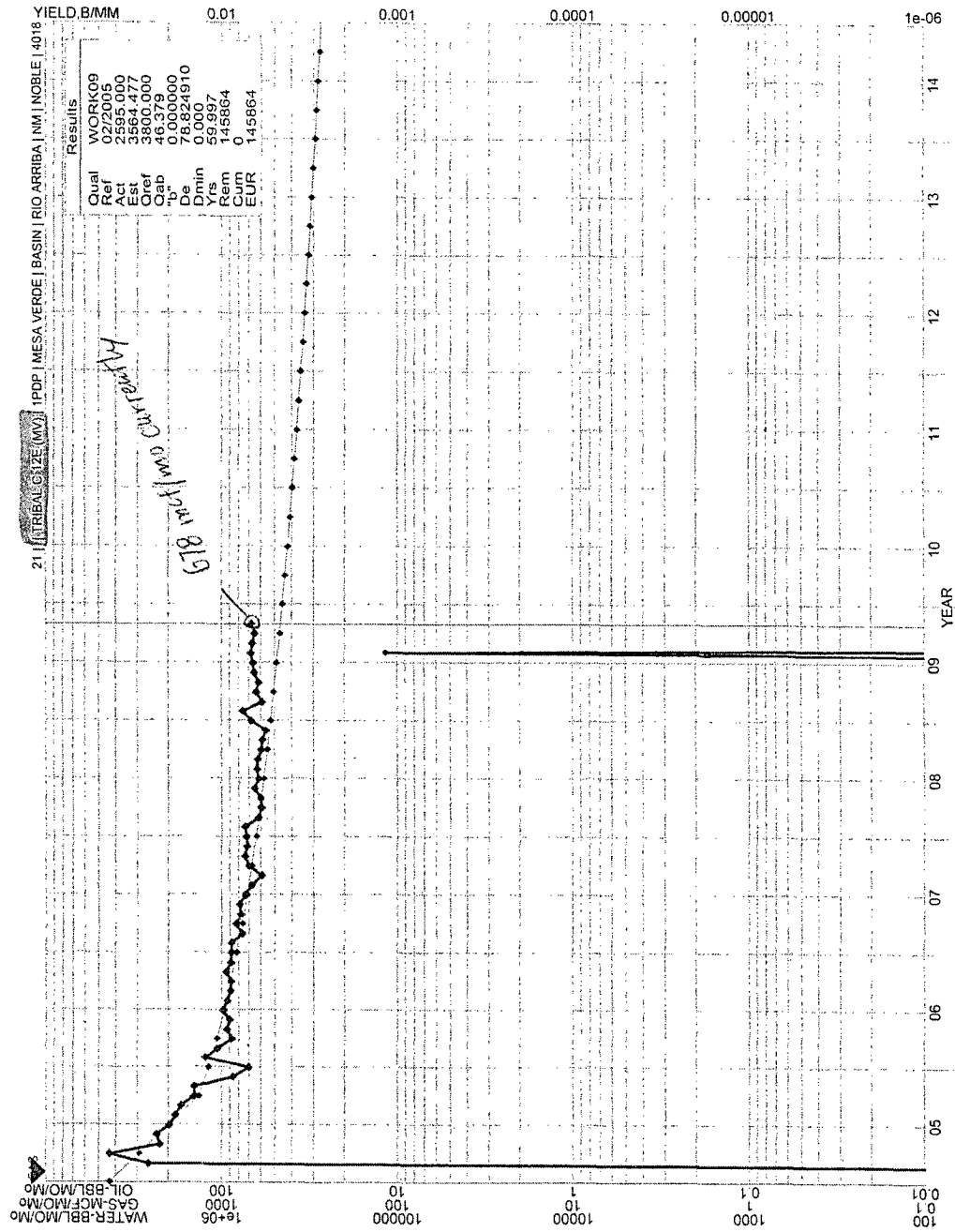
Tribal C 12E

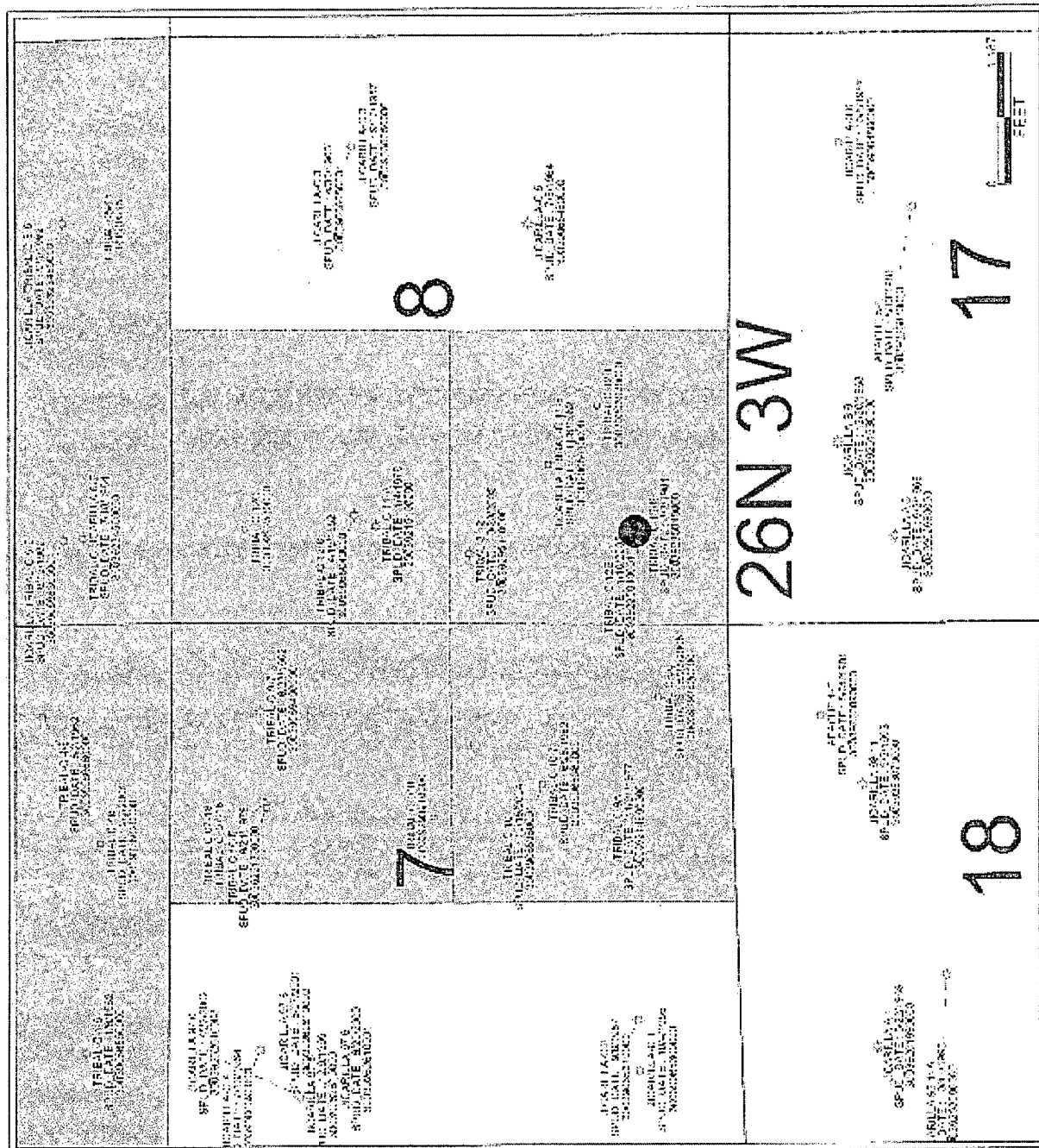
Recover Plunger, Remove CIBP, Commingle Pt. Lookout and Dakota Production

Workover Procedure

1. Check rig anchors and make sure they have been tested in the last 2 years. Check road conditions on lease road and make necessary repairs for rig and equipment.
2. Have 100 jts (some extra for backup) of 2-3/8" 4.7# J-55 tubing waiting at location to be used in well later.
3. MIRU workover rig. Conduct safety meeting. Test lubricator to 1000 psi. Make sure the master valve holds.
4. Blow down/kill well and retrieve the plunger and plunger stop. Be aware that there may be sand in the hole. Circulation and special tools may be necessary to recover the plunger.
5. TOH w/ 5808' of 2-3/8" 4.7# J-55 tbg.
6. TIH w/ tubing string and bit to 6050'. Drill out CIBP.
7. Circulate and clean out well to PBTD of 8104'.
8. RIH w/ 2-3/8" 4.7# J-55 tbg, plunger, and plunger stop toward the bottom of Dakota perforations @ +/- 8000'.
9. Put well back on production.

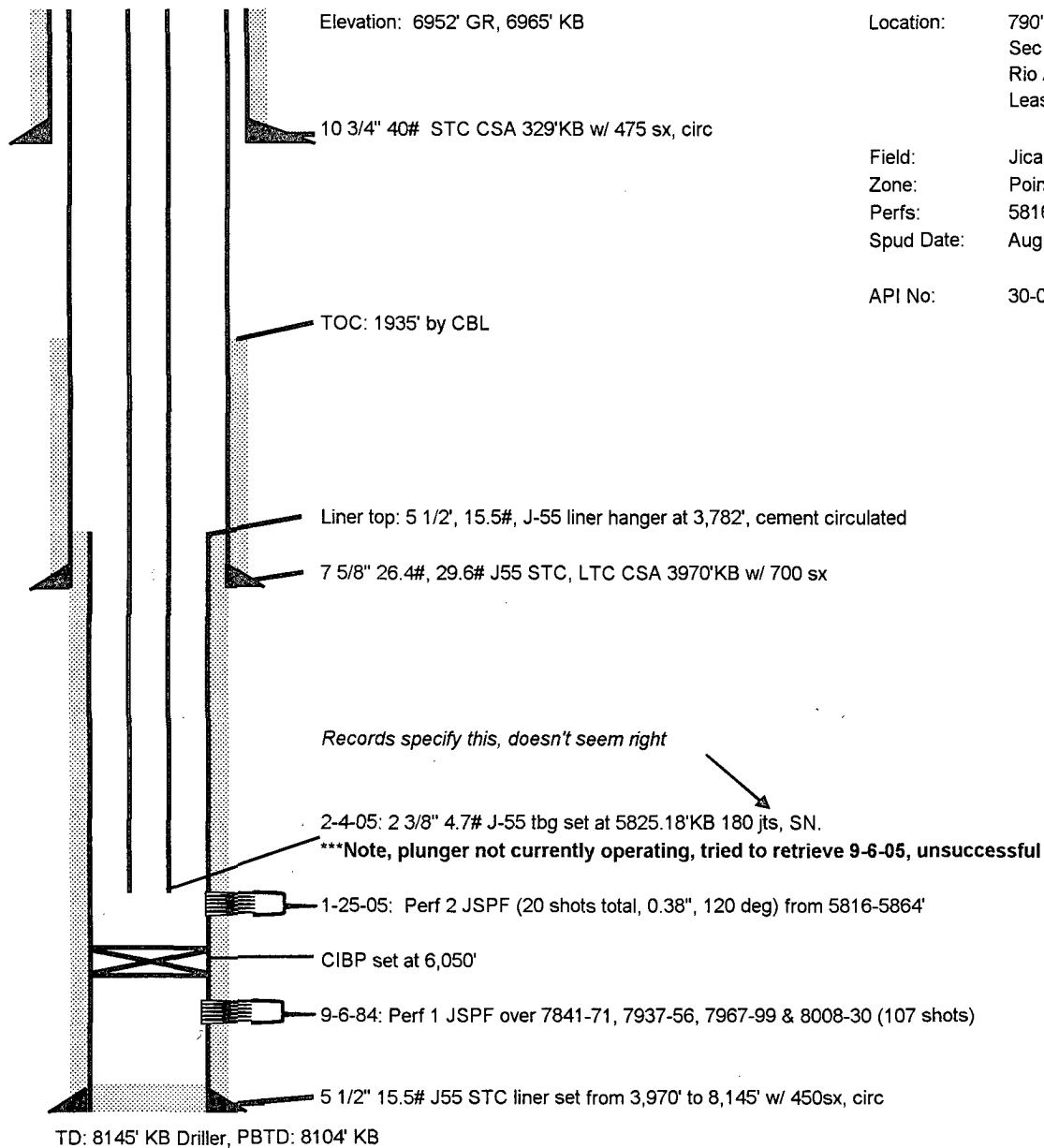








Tribal C No. 12E
AFE#: 128596



Location: 790'FSL, 790'FWL
 Sec 8, T26N, R3W
 Rio Arriba County, NM
 Lease: Jicarilla Contract #97

Field: Jicarilla
 Zone: Point Lookout/Dakota (under plug)
 Perfs: 5816-5864' & 7841-8030'
 Spud Date: August 03, 1984, 20:00

API No: 30-039-23504

9/6/1984 Acidize 7841-8030 with 1,000 gal 7 1/2% HCl on 1% KCl water
 Frac 7841-8030 with 100,000 gal 1% KCl gelled to 30# & 105,000# 20/40 sand at 44BPM
 ISIP: 1800psi, 15 min: 1550psi.

1/26/2005 Acidize & Frac MV 5816-5864'

Recommended Allocation for Commingle

Well: Tribal C 12E

30-day average production based on Last Few Months of Actual Prod.
(see decline curve tab)

G a s	Zone	Average MCFD	Percentage of total flow
	MV	18	32%
	DK	38	68%
	Total	56	100%

O i l	Zone	Average BOPD	Percentage of total flow
	MV	0	0%
	DK	2	100%
	Total	2	100%

Recommended allocation for future downhole commingled production

Zone	Gas	Oil
MV	32%	0%
DK	68%	100%
Total	100%	100%