

DATE IN 1/28/08	SUSPENSE	ENGINEER w. Sams	LOGGED IN 1/28/08	TYPE DHC 3994	APP NO. PKVR0802848183
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ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
 - Engineering Bureau -
 1220 South St. Francis Drive, Santa Fe, NM 87505



ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATION WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]
[DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]
[PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]
[WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]
[SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
[EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

- [A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

- [B] Commingling - Storage - Measurement
☒ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☐ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

- [D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

- [A] ☒ Working, Royalty or Overriding Royalty Interest Owners
- [B] ☐ Offset Operators, Leaseholders or Surface Owner
- [C] ☐ Application is One Which Requires Published Legal Notice
- [D] ☒ Notification and/or Concurrent Approval by BLM or SLO
 U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
- [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
- [F] ☐ Waivers are Attached

[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is **accurate** and **complete** to the best of my knowledge. I also understand that **no action** will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

Cherry Hlava
 Print or Type Name

Cherry Hlava
 Signature

Regulatory Analyst 01/25/2008

Title Date

hlavacl@bp.com
 e-mail Address

RECEIVED
 2008 JAN 28 PM 1 20

District I
1625 N. French Drive, Hobbs, NM 88240

District II
1301 W. Grand Avenue, Artesia, NM 88210

District III
Well
1000 Rio Bravo Road, Aztec, NM 87410

District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources' Department

Form C-107A
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.

APPLICATION TYPE
X Single

Santa Fe, New Mexico 87505

Establish Pre-Approved Pools
EXISTING WELLBORE
X Yes No

APPLICATION FOR DOWNHOLE COMMINGLING

BP America Production Company

P.O. Box 3092 Houston Tx 77253

MAC-3994

Operator

Address

Lease **Gooch** Well No. **2** Unit Letter-Section-Township-Range **Unit G Section 29 T28N, R08W** County **San Juan**

OGRID No. 000778 Property Code 000608 API No. 30-045-23360 Lease Type: X Federal State Fee

DATA ELEMENT	UPPER ZONE	INTERMEDIATE ZONE	LOWER ZONE
Pool Name	Blanco Otero Chacra	Blanco Mesaverde	Basin Dakota
Pool Code	82329	72319	71599
Top and Bottom of Pay Section (Perforated or Open-Hole Interval)	To Be Determined	To Be Determined	6578' - 6682'
Method of Production (Flowing or Artificial Lift)	Artificial Lift	Artificial Lift	Artificial Lift
Bottomhole Pressure (Note: Pressure data will not be required if the bottom perforation in the lower zone is within 150% of the depth of the top perforation in the upper zone)	530	425	590
Oil Gravity or Gas BTU (Degree API or Gas BTU)	1165	1145	1177
Producing, Shut-In or New Zone	New Zone	New Zone	Producing
Date and Oil/Gas/Water Rates of Last Production. (Note: For new zones with no production history, applicant shall be required to attach production estimates and supporting data.)	Date: Rates:	Date: Rates:	Date: 1/6/08 Rates: 24.7 mcf/d
Fixed Allocation Percentage (Note: If allocation is based upon something other than current or past production, supporting data or explanation will be required.)	Oil <u> </u> % Gas <u>0/0</u> % <u>(Subtraction)</u>	Oil <u> </u> % Gas <u> </u> % <u>(Subtraction)</u>	Oil <u> </u> % Gas <u>Based on Decline</u> %

ADDITIONAL DATA

Are all working, royalty and overriding royalty interests identical in all commingled zones?
If not, have all working, royalty and overriding royalty interest owners been notified by certified mail? 1-10-08 Yes No X
Yes X No

Are all produced fluids from all commingled zones compatible with each other? Yes X No

Will commingling decrease the value of production? Yes No X

If this well is on, or communitized with, state or federal lands, has either the Commissioner of Public Lands
or the United States Bureau of Land Management been notified in writing of this application? Yes X No

NMOCD Reference Case No. applicable to this well:

Attachments:

- C-102 for each zone to be commingled showing its spacing unit and acreage dedication.
- Production curve for each zone for at least one year. (If not available, attach explanation.)
- For zones with no production history, estimated production rates and supporting data.
- Data to support allocation method or formula.
- Notification list of working, royalty and overriding royalty interests for uncommon interest cases.
- Any additional statements, data or documents required to support commingling.

PRE-APPROVED POOLS

If application is to establish Pre-Approved Pools, the following additional information will be required:

- List of other orders approving downhole commingling within the proposed Pre-Approved Pools
- List of all operators within the proposed Pre-Approved Pools
- Proof that all operators within the proposed Pre-Approved Pools were provided notice of this application.
- Bottomhole pressure data.

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

SIGNATURE Cherry Hlava TITLE Regulatory Analyst DATE 01/25/2008
TYPE OR PRINT NAME Cherry Hlava TELEPHONE NO. (281) 366-4081
E-MAIL ADDRESS hlavacl@bp.com

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.
30-045-23360

5. Indicate Type of Lease
STATE ☐ FEE ☐

6. State Oil & Gas Lease No.

7. Lease Name or Unit Agreement Name

Gooch

8. Well Number

2

9. OGRID Number

778

10. Pool name or Wildcat

Basin DK Blanco MV & Otero Chacra

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

BP America Production Company Attn: Cherry Hlava

3. Address of Operator

P.O. Box 3092 Houston, TX 77253

4. Well Location

Unit Letter **G** : **1850** feet from the **NORTH** line and **2510** feet from the **EAST** line

Section **29** Township **28N** Range **08W** NMPM **San Juan** County

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

Pit or Below-grade Tank Application ☐ or Closure ☐

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 ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: **Tri-Mingling** ☒

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ P AND A ☐

CASING/CEMENT JOB ☐

OTHER: ☐

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.

BP America requests permission to complete the subject well into both the Mesaverde & Chacra formations and tri-commingling production downhole with the existing Basin Dakota.

~~Pools are Pre-Approved by order R-11636: Basin Dakota (71599), Blanco Mesaverde (72319) & Otero Chacra (82329).~~

Interest owners are identical between the MV & CH but different in the DK therefore **notification was sent certified mail return receipt requested on Jan. 10, 2008.**

Production is proposed to be allocated based on a fixed percentage. It is our intent to isolate the Dakota, complete into the MV, isolate the MV, & complete into the Chacra. Flow back to stabilize the Chacra & perform a Chacra flow test. Drill out bridge plug between the MV & CH, perform a combined stream test on MV & CH. Chacra test will be subtracted from the total and a % calculated to determine the flow rate for the MV & CH. A decline will be used for the Dakota (see attached)

Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production. The BLM has been notified of the DHC via form 3160-5 for lease SF - 080112.

Commingling Production Downhole in the subject well from the proposed pools will not reduce the value of the total remaining production.

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 Cherry Hlava TITLE Regulatory Analyst DATE 01/25/2008

Type or print name Cherry Hlava E-mail address: hlavacl@bp.com Telephone No. 281-366-4081

For State Use Only

APPROVED BY: _____ TITLE _____ DATE _____

Conditions of Approval (if any): _____

SJ Basin Recompletion & DHC Procedure

Well Name: Gooch 2

API #: 30-045-23360

Location: T28N-R8W-Sec 29

County: San Juan

State: New Mexico

Horizon: Chacra/ Mesa Verde/Dakota

Flac Well: 979502

Engr: Cristin Cammon

cristin.cammon@bp.com

ph (281) 366-5721

Objective: Perforate and fracture stimulate Mesa Verde and Chacra horizons, and downhole tri-mingle with the existing Dakota.

1. TOH with completion. Set CBP over DK.
 2. Run CBL and RST log.
 3. Perforate and fracture MV in the 1st stage. Set CBP over MV.
 4. Perforate and fracture CH in 2nd stage. Flow test CH.
 5. Clean out down to MV. Flow test CH and MV.
 6. Clean out to TD. Land tubing and return well to production.
 7. Downhole tri-mingle Mesa Verde, Chacra, and Dakota
-

Well History:

This well has been producing from the Dakota since 1979, with a cumulative production of 0.63BCF and is producing approximately 20 mcfd to date. The 2 3/8" tubing is landed at 6578'. The well is currently on plunger lift.

The objective is to recomplete this well to include the Mesa Verde horizon and Chacra horizon, and to commingle production downhole with the existing Dakota horizon. The job scope is to perforate and stimulate the Mesa Verde formation in one stage, then perforate and stimulate the Chacra formation in a second stage, clean out to TD, and commingle Mesa Verde, Chacra and Dakota production after performing a 24 hour test on both the Chacra only and Chacra and Mesa Verde together. The anticipated uplift is 240 mcfd. A composite bridge plug will be set at 5000' to isolate the Dakota throughout the recomplete.

Procedure:

1. Perform pre-rig site inspection. Check for: size of location, Gas Taps, other wells, other operators, running equipment, wetlands, wash (dikes req.), H₂S, barriers needed for equipment, Landowner issues, location of pits (buried lines in pits), Raptor nesting, critical location, check anchors. Verify rig anchors are in place and tested. Check ID wellhead; if earth pit is required have One Call made 48 hours prior to digging.
2. Perform second site visit after lines are marked to ensure all lines clear marked pit locations. Planning and Scheduling to ready location for rig.
3. RU slickline unit or wireline unit. Pressure test lubricator and equipment. RIH and tag TD. Record TD along with indicated fluid level. RIH and set **two** barriers (CIBP, tbg collar stop w/plug, or plug set in nipple) for isolation in tubing string.
4. Check and record tubing, casing, and bradenhead pressures. Ensure production casing has double casing valves installed. Double valve all casing strings.
5. MIRU workover rig. LO/TO all necessary equipment including but not limited to: meter run, Automation, Separators and water lines.
6. Blow down well. Kill with 2% KCL water ONLY if necessary.
7. Check all casing strings to ensure no pressure exists on any annulus. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
8. ND Wellhead. NU BOPs and diversion spool with 3" outlets and 3" pipe to the blow tank. Install two-way plug in tubing hanger and pressure test BOPs to 200 psi above BHP. Monitor flowing casing pressure with gauge (with casing flowing to blow tank) throughout workover.
9. Install stripping head, unseat and pull tubing hanger up above pipe rams, shut-in pipe rams, remove stripping rubber. Strip tubing hanger OOH. Re-install stripping rubber.
10. TOH 2 3/8" production tubing currently set at 6578', lay down tubing. Using approved "Under Balance Well Control Tripping Procedure". Visually inspect tubing while POOH, note any signs of pitting or corrosion and please document with pictures. Measure tubing out of hole. Recover isolation plugs from tubing.
11. TIH w/ 4-1/2" scraper. Check the distance between the top of the blind rams and the length of the bottom hole assembly that is being run. If the BHA is too long then the well has to be top killed and monitored prior to opening blind rams. RIH and scrape pipe to PBTD (~6721'). POOH. Lay down bit and scraper.
12. RU E-line equipment. Pressure test lubricator and equipment.
13. Pick up composite bridge plug and TIH. Set composite bridge plug at +/- 5000'. (Ensure plug is not set opposite a casing collar by doing a few passes at +/- 5000' with the CCL and then determine the setting depth.) Pressure test bridge plug to ensure it is holding. Fill casing w/ 2% KCl. POOH.

14. **Log well w/ CBL log and RST log from 6000' to 3000' (liner top).** Contact engineer after determining TOC in 4 1/2" liner to discuss perforation placement or need for remedial cement squeeze if cement coverage is inadequate for the pay-add or if integrity of casing appears sub-par. Contact operations geologist, Mark Durio, for final perf interval selection from the RST.
15. Pressure test 4 1/2" 10.5# K-55 liner to ~3200 psi (75% of burst is 3592 psi). Monitor outer annulus pressure closely. (To perform pressure test, RIH with tension set packer, set packer in casing just below lowest casing valve and test casing to desired pressure.)

Stage One: Mesa Verde

16. Prepare for explosive operations. Follow Schlumberger Explosive SOP including radio silence, suspension of welding operations, and isolation of electrical devices from the work area. Perform Pre-job Safety Meeting to review JSA and procedures. If someone has On Star on their vehicle they cannot enter closer than 300 foot. On Star cannot be turned off. PLEASE take special caution. This is in conjunction with all cell phones, pagers, radios and any electronic device that transmits a signal.
17. RIH with **3-1/8" High Shot Density casing gun loaded with Power Jet charges at 1 SPF 60 Degree Phasing** (total estimated holes will be 90) w/lubricator and perforate Menefee and Pt. Lookout formation.

Perforated intervals will be:

Point Lookout Upper Main Sand: 4475' – 4575'; 100ft gross interval
1 interval at 1 shot every other foot for 50 holes

- 4475' – 4575'

Menefee Channels (4): 4260' - 4400'; 140ft gross interval
2 intervals at 1 shot every other foot for 40 holes

- 4360' – 4400'
- 4260' – 4300'

NOTE: Final perf intervals will be determined after the RST log. Verify final perf intervals with engineer/geologist.

POOH with perforating guns.

18. Hold Risk Assessment (JHA) meeting prior to initiating pumping services.
19. RU 10,000 psi frac isolation equipment (Stinger Isolation Tool).
20. RU Schlumberger frac equipment. **NOTE:** Frac tanks should be filled with fresh water, the KCl will be added on the fly.
21. Pressure test iron to Stinger frac valve at 5000 psi for 10 minutes. Function test treating line check valve during the prime and pressure test operation.
22. The frac is expected to pump at approximately 3000 psi. Maximum allowable treating pressure will be **3200 psi**.

23. Set stagger pump trips to **3200-3400 psi**. Function test pump trips individually.
24. Install and monitor production casing and treating pressure during entire job in frac van via pressure transducers on production casing and treating line. Be sure to monitor the casing annulus pressure throughout the duration of stimulation treatment.
25. Spearhead 1000 gal 15% HCL, establish injection rate, and proceed with fracture stimulation according to Schlumberger schedule.
26. Fracture treat Mesa Verde down casing as per Schlumberger schedule. Treat well at a **maximum surface pressure of 3200 psi during frac job**.
27. Maintain surface pressures less than 3200 psi during frac job. Flush frac with foam. Fill out GWSI scorecard.

Stage Two: Chacra

28. Rig-up electric line equipment. Pick up composite bridge plug and perforation gun assembly.
29. RIH with plug/gun assembly. Set composite bridge plug at **3900'**.
30. Perforate the Chacra with **3-1/8" High Shot Density casing gun loaded with Power Jet charges at 1 SPF 60 Degree Phasing** (total estimated holes will be 80) w/lubricator and perforate Chacra formation.

Perforated intervals will be:

Chacra (Upper & Lower Sands): 3150 - 3360'; 210' gross interval
1 interval at 1 shot every other foot for 80 holes

- 3160' – 3320'

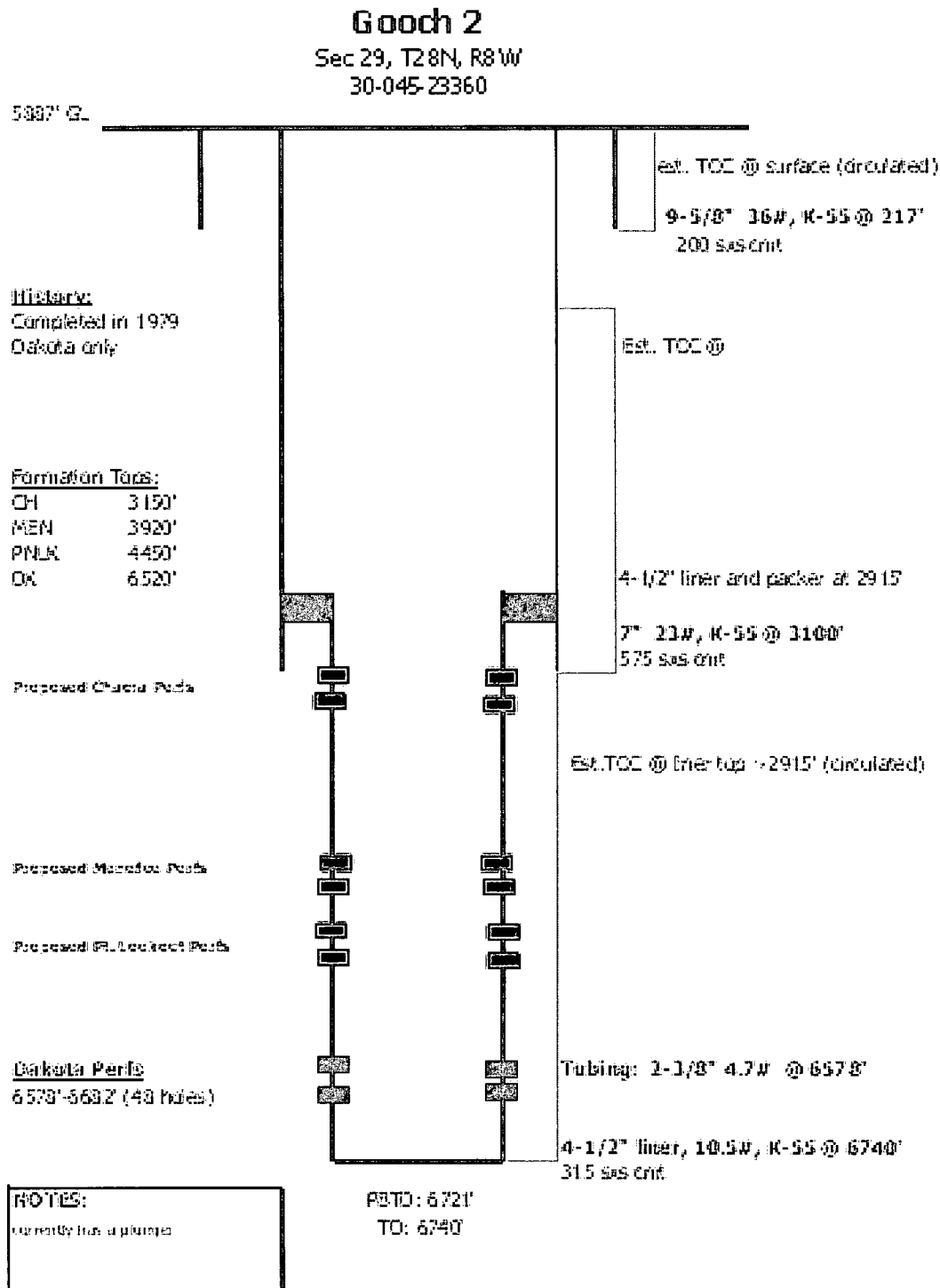
31. POOH with plug/gun assembly and check firing rate of guns. Immediately report to Houston if firing rate less than 100% to determine if additional runs need to be made.
32. Hold Risk Assessment (JHA) meeting prior to initiating pumping services
33. RU wellhead isolation tool and Schlumberger equipment. Pressure test iron to Stinger frac valve at 5000 psi.
34. The frac is expected to pump at approximately 2900 psi. Maximum allowable treating pressure will be 3200 psi.
35. Set stagger pump trips to **3200-3400 psi**.
36. Frac the Chacra interval as per Schlumberger schedule.

Flowback:

37. Flowback Chacra frac immediately. Flow well through choke manifold on 1/4", 1/2" and 3/4" chokes slowly increasing drawdown until well dies or stabilizes. This is to aid in reducing sand flowback. Recommend 8 hours of flow for each choke size.

38. Rig up air package/unit, pressure test all lines (Testing procedure to be supplied from air company). TIH with 2 3/8" tubing with notched collar (muleshoe) and float check valve.
39. Cleanout fill to frac plug set at +/- 3900'.
40. POOH with tubing and float.
41. RIH with tubing and wireline retrievable pump through plug. Hang off tubing at +/- 3250'. Retrieve plug.
42. Flow test the Chacra for 24 hrs for regulatory, allocation, and deliverability purposes.
43. POOH with tubing.
44. TIH w/ tubing and bit for 4-1/2" casing. Drill out CBP set at 3900'. Cleanout to CBP set at 5000'.
45. RIH with tubing and wireline retrievable pump through plug. Hang off tubing at +/- 4450'. Retrieve plug.
46. Flow test the Chacra and Mesaverde for 24 hrs for regulatory, allocation, and deliverability purposes.
47. POOH with tubing.
48. TIH w/ tubing and bit for 4-1/2" casing. Drill out CBP set at 5000'. Cleanout to PBTD at 6721'.
49. RIH with 2-3/8" production tubing (with muleshoe, F-nipple with plug, 4 ft pup, X-nipple with plug).
50. Land 2-3/8" production tubing at +/- 6680' or depth determined from logs. Lock down 2 3/8" tubing hanger and bonnet.
51. Pressure test tubing to 500 psi with air unit, make sure tubing spool valves are open. Care should be taken during pressure testing of the tubing due to potential problem caused if tubing parts close to surface or above the hanger. Check all casing string for pressure. **The operations of removal of wellhead and installation of BOP's will be performed under a dispensation for one (1) barrier on the backside.**
52. ND BOP's. NU Wellhead. During Master valve placement ensure the top of hanger has spacer nipple in place to bottom of bonnet flange so plunger equipment will not hang up through tree. Pressure test Wellhead.
53. RU WL unit. Run gauge ring for 2-3/8" tubing. Pull plugs. Set tubing stop for plunger and communicate plunger equipment status to IC room personnel.
54. RD WL unit.
55. Test well for air. Hook up well to surface facilities and return well to production and downhole commingle Mesa Verde and Dakota.

Wellbore Diagram:



District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico

Form C-102
Permit 51714

Energy, Minerals and Natural Resources**Oil Conservation Division****1220 S. St Francis Dr.****Santa Fe, NM 87505****WELL LOCATION AND ACREAGE DEDICATION PLAT**

1. API Number 30-045-23360	2. Pool Code 72319	3. Pool Name BLANCO-MESAVERDE (PRORATED GAS)
4. Property Code 608	5. Property Name GOOCH	6. Well No. 002
7. OGRID No. 778	8. Operator Name BP AMERICA PRODUCTION COMPANY	9. Elevation

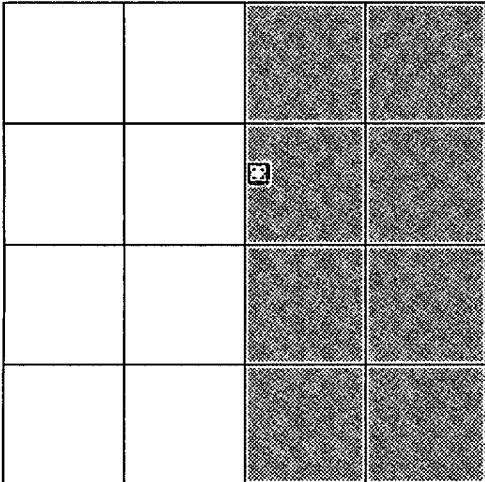
10. Surface Location

UL - Lot G	Section 29	Township 28N	Range 08W	Lot Idn	Feet From 1850	N/S Line N	Feet From 2510	E/W Line E	County SAN JUAN
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 320.00	13. Joint or Infill	14. Consolidation Code	15. 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>I hereby certify that the information contained 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(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> E-Signed By: <i>Cherry Hlava</i> Title: <i>Regulatory Analyst</i> Date: <i>1-8-2008</i>
	SURVEYOR CERTIFICATION <i>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.</i> Surveyed By: Fred Kerr Date of Survey: 9/23/1978 Certificate Number: 3950

District I

1625 N. French Dr., Hobbs, NM 88240
Phone:(505) 393-6161 Fax:(505) 393-0720

District II

1301 W. Grand Ave., Artesia, NM 88210
Phone:(505) 748-1283 Fax:(505) 748-9720

District III

1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170

District IV

1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

Form C-102
Permit 51714

WELL LOCATION AND ACREAGE DEDICATION PLAT

1. API Number 30-045-23360	2. Pool Code 82329	3. Pool Name OTERO CHACRA (GAS)
4. Property Code 608	5. Property Name GOOCH	6. Well No. 002
7. OGRID No. 778	8. Operator Name BP AMERICA PRODUCTION COMPANY	9. Elevation

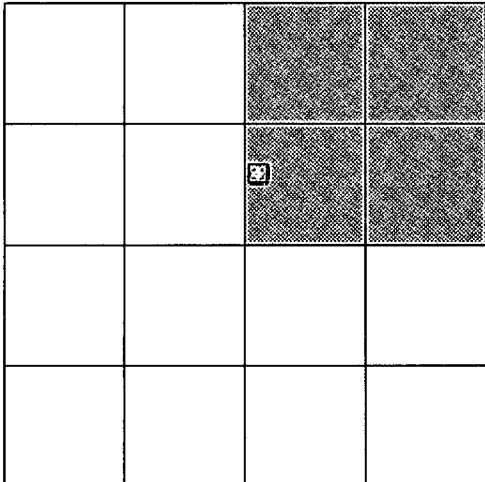
10. Surface Location

UL - Lot G	Section 29	Township 28N	Range 08W	Lot Idn	Feet From 1850	N/S Line N	Feet From 2510	E/W Line E	County SAN JUAN
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11. Bottom Hole Location If Different From Surface

UL - Lot	Section	Township	Range	Lot Idn	Feet From	N/S Line	Feet From	E/W Line	County
12. Dedicated Acres 160.00	13. Joint or Infill		14. Consolidation Code		15. 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>I hereby certify that the information contained 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(s) or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> E-Signed By: <i>Cherry Hlava</i> Title: <i>Regulatory Analyst</i> Date: <i>1-7-2008</i>
	SURVEYOR CERTIFICATION <i>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.</i> Surveyed By: Fred Kerr Date of Survey: 9/23/1978 Certificate Number: 3950

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102
Supersedes C-120
Effective 1-1-77

30-045-23360

All distances must be from the outer boundaries of the Section.

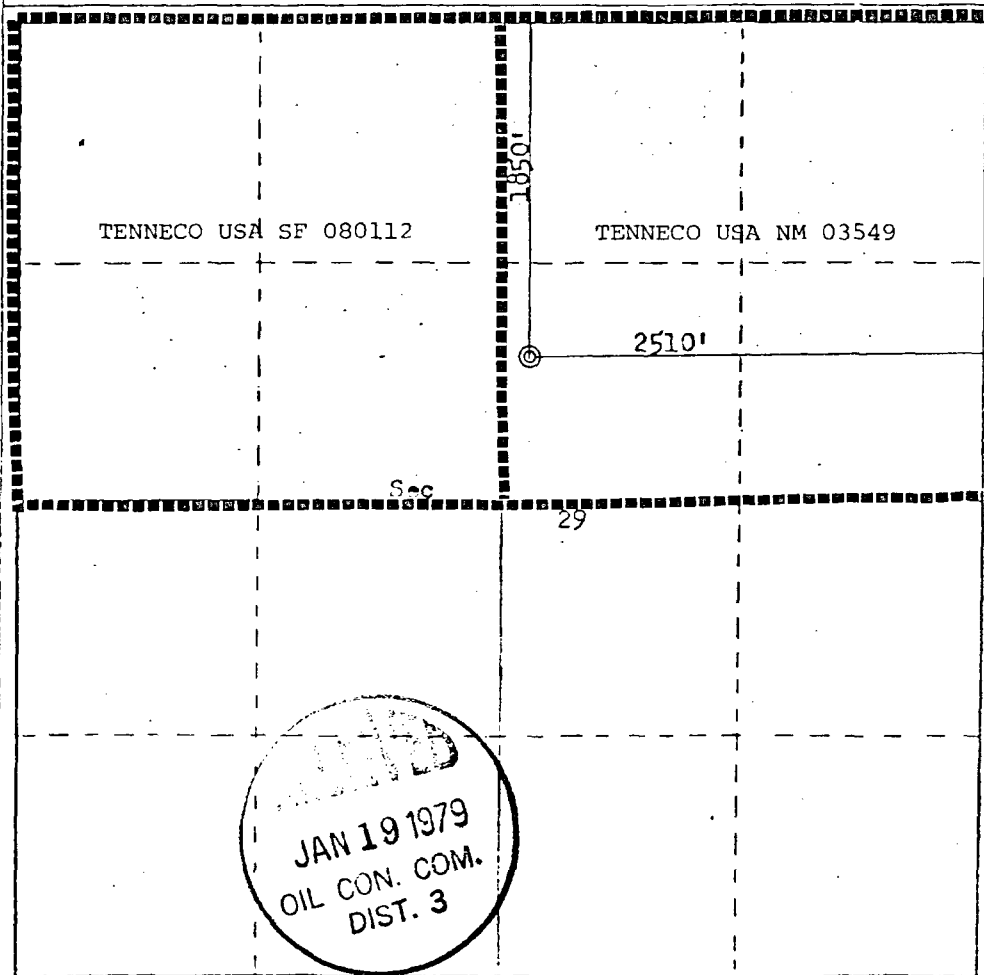
Owner TENNECO OIL COMPANY			Section GOOCH		Well No. 2
Well Letter G	Section 29	Township 28N	Range 8W	County San Juan	
Actual Posting Location of Well:					
1850	feet from the	North	line and	2510	feet from the
Ground Level Elev. 5887	Producing Formation Dakota		Pool Basin Dakota	Dedicated Acreage: 320 <input checked="" type="checkbox"/> Acres	

1. Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes ☐ No If answer is "yes," type of consolidation Communitization in progress.

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



CERTIFICATION

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

Name J. A. Rush
Position Environmental Coordinator
Company Tenneco Oil Company
Date October 20, 1978

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 knowledge and belief.

Date Surveyed September 23, 1978

Testimony of Fred B. Kerr, Jr.
Noted by Fred B. Kerr, Jr.
Certified by Fred B. Kerr, Jr.
3950

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