

8/21/97 - 9/10/97 | MS | KV | NSL

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -

ADMINISTRATIVE APPLICATION COVERSHEET

THIS COVERSHEET IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS

Application Acronyms:

- [NSP-Non-Standard Proration Unit] [NSL-Non-Standard Location]
- [DD-Directional Drilling] [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 - Directional Drilling
- NSL NSP DD 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

RECEIVED
AUG 21 1997

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

- [A] Working, Royalty or Overriding Royalty Interest Owners DONE AS OPERATOR.
- [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 COPY OF 3160-3 ATTACHED.
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] INFORMATION / DATA SUBMITTED IS COMPLETE - Statement of Understanding

I hereby certify that I, or personnel under my supervision, have read and complied with all applicable Rules and Regulations of the Oil Conservation Division. Further, I assert that the attached application for administrative approval is accurate and complete to the best of my knowledge and where applicable, verify that all interest (WI, RI, ORRI) is common. I further verify that all applicable API Numbers are included. I understand that any omission of data, information or notification is cause to have the application package returned with no action taken.

Note: Statement must be completed by an individual with supervisory capacity.

STERLING RANDOLPH
Print or Type Name

Sterling Randolph
Signature

PETROLEUM ENGINEER
Title

August 18, 1997
Date

6666

August 18, 1997

NEW MEXICO OIL CONSERVATION DIVISION
ATTN: Mike Stogner or David Catanach
2040 S. Pacheco
Santa Fe, New Mexico 87505

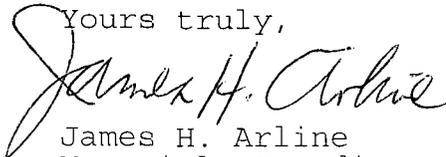
Re: Unorthodox location of Jackson A #16
Unit O, 1245'FNL, 2570'FEL,
Sec 13, T17S, R30E
Eddy County, New Mexico

Gentlemen:

Burnett Oil Co., Inc. request an exception without notice and hearing to Rule 104 for the Jackson A #16 recompletion in the Grayburg formation. This well was drilled in July 1992 and completed in September 1992 as the Grayburg Jackson San Andres Unit #49 as a legal location without regard to the original lease lines. The cost of plugging this well bore and drilling a new well would not be an economic probability. Our intention is to lay a flowline to the existing Jackson A tank battery @ Unit B, Sec 24, T17S, R30E to handle the production. The attached plat shows that we are the operator of record for all adjacent leases. No archaeological survey was done for this area since it is an existing well site pad. We are requesting an archaeological survey for the flowline since it will traverse an undisturbed area. A copy of the submitted BLM 3160-3 is also attached for your reference.

Please advise if you should need any further information.

Yours truly,



James H. Arline
Materials Coordinator

xc:NMOCD-Artesia

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

5. LEASE DESIGNATION AND SERIAL NO.
LC 029339A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
GRAYBURG JACKSON SAN ANDRES
UNIT #49

8. FARM OR LEASE NAME
JACKSON A

9. WELL NO.
16 (30-015-26968)

10. FIELD AND POOL, OR WILDCAT
GRAYBURG JACKSON

11. SEC., T., R., M., OR BLK.
AND SURVEY OR AREA
13, 17S, 30E

12. COUNTY OR PARISH
EDDY

13. STATE
NM

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL DEEPEN PLUG BACK

b. TYPE OF WELL
OIL WELL GAS WELL OTHER
SINGLE ZONE MULTIPLE ZONE

2. NAME OF OPERATOR
BURNETT OIL CO., INC

3. ADDRESS OF OPERATOR
801 CHERRY STREET, SUITE 1500, FORT WORTH, TEXAS 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)*
At surface UNIT 0 2570' FEL, 1245' FSL

At proposed prod. zone SAME AS SURFACE.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
5 MILES NENE OF LOCO HILLS, NEW MEXICO

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any)

16. NO. OF ACRES IN LEASE

17. NO. OF ACRES ASSIGNED TO THIS WELL

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH
APPROX 3000'

20. ROTARY OR CABLE TOOLS

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
3722' GR

22. APPROX. DATE WORK WILL START*
9/15/97

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12 1/4"	8 5/8"	24	482' IN PLACE	300 SKS
7 7/8"	5 1/2"	17	3541' IN PLACE	1375 SKS

PRESENT OPEN UNIT INTERVAL 3030'-3471', TD 3551, PBD 3492'. DIG 40' X 40' WORKING PIT. ANY ACCUMULATION IN THE PIT WILL BE DISPOSED OF IN AN APPROVED DISPOSAL METHOD & PIT WILL BE BACKFILLED & LEVELED UPON COMPLETION OF THIS WORK. CLEAN OUT 5 1/2" CASING, SET CIBP @ APPROX 3020', DUMP 35' CEMENT ON TOP TO P&A UNITIZED ZONE. PERFORATE APPROX 2773'-2975' & STIMULATE. NEW COMPLETION WILL BE NAMED JACKSON A #16 AS A NON-STANDARD GRAYBURG LOCATION. WE DO ATTEST THAT BURNETT OIL CO., INC IS OPERATOR OF RECORD OF ALL CONTIGUOUS LEASES IN THE AREA. WE HAVE FILED FOR ADMINISTRATIVE APPROVAL FROM THE NMOCD.

ALL PRODUCTION WILL BE PIPED TO THE JACKSON A TANK BATTERY IN UNITB SEC 24, T17S, R30E. ALL PRODUCTION FROM THIS BATTERY IS ALLOCATED BASED ON PERIODIC INDIVIDUAL WELL TEST.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED *Arthur J. Landwehr* TITLE PETROLEUM ENGINEER DATE August 18, 1997

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

Lse. # NM.2746 Gissler

Gissler

U. S. Jackson

BOCI "A"

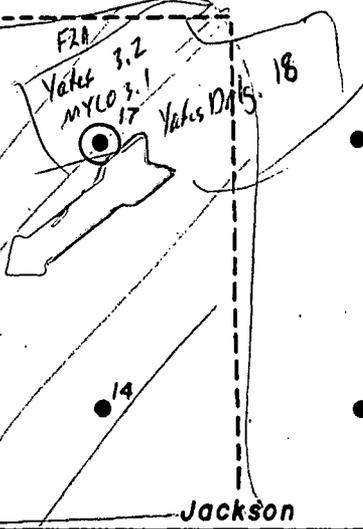
BOCI "B"

BOCI "A"

GRAYBURG - JACKSON (SAN ANDRES) UNIT

Person telephone conversation today

Starting immediately



4

13

Gissler

Stevens "A"

Jackson

BOCI "A"

BOCI "B"

BOCI "A"

Gissler

Jackson

BOCI "B"

BOCI "B"

Gissler

BOCI "B"

SOUTHWEST ROYALTIES
Arnold

Jackson

R 30 E

BURNETT OIL CO, INC.

GRAYBURG JACKSON -
SAN ANDRES UNIT
EDDY COUNTY, NEW MEXICO



BEFORE THE OIL CONSERVATION COMMISSION
OF THE STATE OF NEW MEXICO

IN THE MATTER OF THE HEARING
CALLED BY THE OIL CONSERVATION
COMMISSION OF NEW MEXICO FOR
THE PURPOSE OF CONSIDERING:

CASE NO. 5663
Order No. R-5206

APPLICATION OF ANNE BURNETT TANDY
dba WINDFOHR OIL COMPANY FOR 12
UNORTHODOX OIL WELL LOCATIONS AND
AN ADMINISTRATIVE PROCEDURE, EDDY
COUNTY, NEW MEXICO.

ORDER OF THE COMMISSION

BY THE COMMISSION:

This cause came on for hearing at 9 a.m. on April 14, 1976,
at Santa Fe, New Mexico, before Examiner, Daniel S. Nutter.

NOW, on this 27th day of April, 1976, the Commission, a
quorum being present, having considered the testimony, the record,
and the recommendations of the Examiner, and being fully advised
in the premises,

FINDS:

(1) That due public notice having been given as required
by law, the Commission has jurisdiction of this cause and the
subject matter thereof.

(2) That the applicant, Anne Burnett Tandy dba Windfohr
Oil Company, seeks approval of 12 unorthodox oil well locations
to be drilled to the San Andres formation at the following
locations in the Grayburg-Jackson Unit, Township 17 South, Range
30 East, NMPM, Grayburg-Jackson Pool, Eddy County, New Mexico,
as follows:

Section 13:

2615 feet from the South line and 1345 feet
from the East line.

2415 feet from the South line and 2415 feet
from the West line.

2615 feet from the North line and 1295 feet
from the West line.

1295 feet from the South line and 1295 feet
from the East line.

1295 feet from the South line and 2615 feet
from the East line.

1295 feet from the South line and 1345 feet from the West line.

1295 feet from the South line and 25 feet from the West line.

200 feet from the South line and 1345 feet from the East line.

25 feet from the South line and 1345 feet from the West line.

Section 14:

2500 feet from the North line and 25 feet from the East line.

Section 24:

25 feet from the North line and 25 feet from the West line.

1120 feet from the North line and 1345 feet from the West line.

(3) That applicant further seeks the establishment of an administrative procedure whereby the above wells could be relocated and other similar unorthodox locations approved without notice and hearing.

(4) That wells at said unorthodox locations will better enable applicant to produce the oil underlying the Grayburg-Jackson Unit Area.

(5) That no offset operator objected to the proposed unorthodox locations.

(6) That approval of the subject application will afford the applicant the opportunity to produce its just and equitable share of the oil in the subject pool, will prevent the economic loss caused by the drilling of unnecessary wells, avoid the augmentation of risk arising from the drilling of an excessive number of wells, and will otherwise prevent waste and protect correlative rights.

IT IS THEREFORE ORDERED:

(1) That 12 unorthodox oil well locations for the San Andres formation are hereby approved for wells to be located in the Grayburg-Jackson Unit, Township 17 South, Range 30 East, NMPM, Grayburg-Jackson Pool, Eddy County, New Mexico, as follows:

Section 13:

2615 feet from the South line and 1345 feet from the East line.

2415 feet from the South line and 2415 feet from the West line.

2615 feet from the North line and 1295 feet from the West line.

1295 feet from the South line and 1295 feet from the East line.

~~1295 feet from the South line and 2615 feet from the East line.~~

1295 feet from the South line and 1345 feet from the West line.

1295 feet from the South line and 25 feet from the West line.

200 feet from the South line and 1345 feet from the East line.

25 feet from the South line and 1345 feet from the West line.

Section 14:

2500 feet from the North line and 25 feet from the East line.

Section 24:

25 feet from the North line and 25 feet from the West line.

1120 feet from the North line and 1345 feet from the West line.

(2) The Secretary-Director of the Commission is hereby authorized to amend the locations of the hereinabove authorized wells and to approve additional producing wells and injection wells at orthodox and unorthodox locations within the boundaries of the Grayburg-Jackson Unit Area as may be necessary to complete an efficient production and injection pattern, provided said wells are drilled no closer than 330 feet to the outer boundary of said Grayburg-Jackson Unit nor closer than 10 feet to any quarter-quarter section of subdivision inner boundary. To obtain such approval, the project operator shall file proper application with the Commission, which application, if it seeks authorization to convert additional wells to injection or to drill additional production or injection wells shall include the following:

- (A) A plat showing the location of proposed well, all wells within the project area, and offset operators, locating wells which offset the project area.

- (B) A schematic drawing of any proposed injection well which fully describes the casing, tubing, packer, leak detection equipment, perforated interval, and depth.

The Secretary-Director may grant immediate approval of the proposed well, if in his opinion, the well is necessary to complete an efficient injection and production pattern for the project.

PROVIDED HOWEVER, if the application is for a well closer than 330 feet to the outer boundary of the Grayburg-Jackson Unit, a copy of the application shall be sent to the operator of any proration unit outside of the Grayburg-Jackson Unit which offsets, directly or diagonally, the proration unit upon which such unorthodox location is proposed. The Secretary-Director shall wait 20 days before approving such unorthodox location, and shall do so only in the absence of objection from the offset operator(s). The 20-day waiting period may be dispensed with upon receipt of waiver of objection from the aforesaid operator(s)

- (3) That jurisdiction of this cause is retained for the entry of such further orders as the Commission may deem necessary.

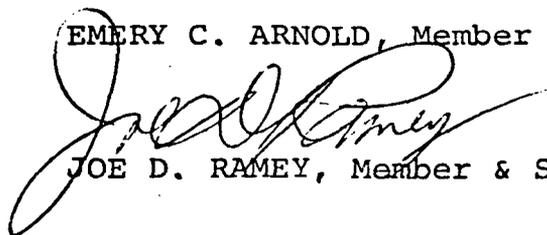
DONE at Santa Fe, New Mexico, on the day and year hereinabove designated.

STATE OF NEW MEXICO
OIL CONSERVATION COMMISSION



PHIL R. LUCERO, Chairman

EMERY C. ARNOLD, Member



JOE D. RAMEY, Member & Secretary

S E A L

jr/

FORM APPROVED
 Budget Bureau No. 1004-0135
 Expires: March 31, 1993
 5. Lease Designation and Serial No.
 LC 029339A
 6. If Indian, Allottee or Tribe Name
 7. If Unit or CA, Agreement Designation
 Grayburg Jackson
 (San Andres) Unit
 8. Well Name and No.
 49
 9. API Well No.
 30-015-26968
 10. Field and Pool, or Exploratory Area
 Grayburg Jackson
 11. County or Parish, State
 Eddy, New Mexico

SUBMIT IN TRIPLICATE

1. Type of Well
 Oil Well Gas Well Other

2. Name of Operator
 Burnett Oil Co., Inc.

3. Address and Telephone No.
 801 Cherry Street, Suite 1500, Fort Worth, TX 76102 817/332-5108

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)
 Unit 0, 2570' FEL, 1245' FSL, Sec. 13, T17S, R30E

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Abandonment
<input checked="" type="checkbox"/> Subsequent Report	<input 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 <u>Drilling & Completion</u>
	<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 vertical depths for all markers and zones pertinent to this work.)*

7/ 5/92 Spudded well. Drilled 12 1/2" hole to 483'. Ran 11 jts new 8-5/8" OD 24# casing (470 set @ 482'KB. Cemented w/ 300 sks CL C, 2% CaCl₂. Circulated 15 sks to pit. WOC 12 hrs.

7/ 6/92 Tested casing to 800 psi. Okay. Drilled 7-7/8" hole to 3551'TD on 7/10/92. 700 BP to water flow @ approx. 1600', increased to 2000 BPD @ 2440'. Ran 79 jts new 5 1/2" OD 17# casing. Set @ 3541'KB. Stage cementer @2539'. Cemented 1st stage (TD back to stage cementer) w/ 275 sks C1 C, 6# salt/sk. Cemented 2nd stage (from stage cementer to 1200') with 400 sks C1 H, 10# salt/sk. Cemented 3rd stage (waterflows w/ 200 sks C1 H, 6% gel and 100 sks C1 H neat. Closed stage cementer.

7/17/92 Drilled out stage cementer. Ran CBL. Good to excellent bonding. TOC 1490'. Ran to GR/CNL. Perforated 5 1/2" casing, 2 holes @ 1480'. Cemented w/ 400 sks C1 H. Ran 8/13/92 temperature survey, TOC @ 1140', WOC. Cementing complete. Drilled out cement @ 1480', cleaned out to TD. Tested casing to 3000 psi. Okay.

8/14 - Perf Jackson interval 3336'-3471' (22 holes). Acidized with 2200 gal 15% HCl.

8/20/92 Tested.

8/29/92 Perf San Andres 3195'-3202'. Tight.

9/2-11/17/92 Perf San Andres 3030'-3152'. Acidized w/ 1000 gal 15% HCl. Tested.

11/13/92 Put on pump from all zones.

12/12/92 Tested 15 BOPD, 311 BWPD, 1 MCEGPD.

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

Signed [Signature] Title Production Superintendent Date 12/23/92

(This space for Federal or State office use)

Approved by [Signature] Title _____ Date _____

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.

Submit 5 Copies
Appropriate District Office
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-104
Revised 1-1-89
See Instructions
at Bottom of Page

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

RECEIVED

DEC 30 1992

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

REQUEST FOR ALLOWABLE AND AUTHORIZATION
TO TRANSPORT OIL AND NATURAL GAS

I.

Operator Burnett Oil Co., Inc.	Well API No. 30-015-26968
Address 801 Cherry Street, Suite 1500, Fort Worth, TX 76102	
Reason(s) for Filing (Check proper box) <input type="checkbox"/> Other (Please explain)	
New Well <input checked="" type="checkbox"/>	Change in Transporter of:
Recompletion <input type="checkbox"/>	Oil <input type="checkbox"/> Dry Gas <input type="checkbox"/>
Change in Operator <input type="checkbox"/>	Casinghead Gas <input type="checkbox"/> Condensate <input type="checkbox"/>

If change of operator give name and address of previous operator _____

II. DESCRIPTION OF WELL AND LEASE

Lease Name Grayburg Jackson (San Andres) Unit	Well No. 49	Pool Name, including Formation Grayburg Jackson	Kind of Lease State, (Federal) or Fee	Lease No. LC029339A
Location Unit Letter <u>0</u> : <u>2570</u> Feet From The <u>East</u> Line and <u>1245</u> Feet From The <u>South</u> Line Section <u>13</u> Township <u>17S</u> Range <u>30E</u> , <u>NMPM</u> , <u>Eddy</u> County				

III. DESIGNATION OF TRANSPORTER OF OIL AND NATURAL GAS

Name of Authorized Transporter of Oil <input checked="" type="checkbox"/> or Condensate <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Navajo Refining	PO Drawer 159, Artesia NM 88210
Name of Authorized Transporter of Casinghead Gas <input checked="" type="checkbox"/> or Dry Gas <input type="checkbox"/>	Address (Give address to which approved copy of this form is to be sent)
Conoco, Inc.	PO Box 1267, Ponca City, OK 74603
If well produces oil or liquids, give location of tanks.	Unit Sec. Twp. Rge. Is gas actually connected? When?
	K 13 17S 30E yes 10/1/92

If this production is commingled with that from any other leases or pool, give commingling order number: _____

IV. COMPLETION DATA

Designate Type of Completion - (X)	Oil Well	Gas Well	New Well	Workover	Deepen	Plug Back	Same Res'v	Diff Res'v
XX			XX					
Date Spudded 7/5/92	Date Compl. Ready to Prod. 9/18/92	Total Depth 3551'		P.B.T.D. 3492'				
Elevations (DF, RKB, RT, GR, etc.) 3722' GR	Name of Producing Formation San Andres	Top Oil/Gas Pay 3030'		Tubing Depth 3443'				
Performances 3066'-72', 3146'-52', 3336'-3471'				Depth Casing Shoe				

TUBING, CASING AND CEMENTING RECORD

HOLE SIZE	CASING & TUBING SIZE	DEPTH SET	SACKS CEMENT
12 1/2"	8-5/8" OD 24#	482'	300
7-7/8"	5 1/2" OD 17#	3541'	1375
5"	2.375" EUE 4.6	3443'	

V. TEST DATA AND REQUEST FOR ALLOWABLE OIL WELL (Test must be after recovery of total volume of load oil and must be equal to or exceed top allowable for this depth or be for full 24 hours.)

Date First New Oil Run To Tank 10/1/92	Date of Test 12/12/92	Producing Method (Flow, pump, gas lift, etc.) Pump	
Length of Test 24 hrs	Tubing Pressure 5	Casing Pressure 5	Choke Size 2"
Actual Prod. During Test 326 bbls	Oil - Bbls. 15	Water - Bbls. 311	Gas - MCF 1

GAS WELL

Actual Prod. Test - MCF/D	Length of Test	Bbls. Condensate/MMCF	Gravity of Condensate
Testing Method (pilot, back pr.)	Tubing Pressure (Shut-in)	Casing Pressure (Shut-in)	Choke Size

VI. OPERATOR CERTIFICATE OF COMPLIANCE

I hereby certify that the rules and regulations of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

John C. McPhaul
Signature
John C. McPhaul, Production Supt.
Printed Name
12/23/92 Date
817/332-5108 Telephone No.

OIL CONSERVATION DIVISION
DEC 30 1992

Date Approved _____
By *MA [Signature]*
Title SUPERVISOR, DISTRICT II

- INSTRUCTIONS:** This form is to be filed in compliance with Rule 1104
- 1) Request for allowable for newly drilled or deepened well must be accompanied by tabulation of deviation tests taken in accordance with Rule 111.
 - 2) All sections of this form must be filled out for allowable on new and recompleted wells.
 - 3) Fill out only Sections I, II, III, and VI for changes of operator, well name or number, transporter, or other such changes.
 - 4) Separate Form C-104 must be filed for each pool in multiply completed wells.

**UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT DIVISION**

SUBMIT IN DUPLICATE*

(See other instructions on reverse side)

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

LC029339A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

Grayburg Jackson
(San Andres)

8. FARM OR LEASE NAME

9. WELL NO.

49

10. FIELD AND POOL, OR WILDCAT

Grayburg Jackson

11. SEC. T. R. M., OR BLOCK AND SURVEY OR AREA

13, 17S, 30E

12. COUNTY OR PARISH
Eddy

13. STATE
NM

1a. TYPE OF WELL:

OIL WELL GAS WELL DRY **93 JAN 7 AM 8 59**

b. TYPE OF COMPLETION:

NEW WELL WORK OVER DEEP-EN PLUG BACK DIFF. RESVR. Other

2. NAME OF OPERATOR

Burnett Oil Co., Inc.

3. ADDRESS OF OPERATOR

801 Cherry Street, Suite 1500, Fort Worth, TX 76102 817/332-5108

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface Unit 0, 2570' FEL, 1245' FSL, Sec. 13, T17S, R30E

At top prod. interval reported below Same

At total depth Same

14. PERMIT NO.

DATE ISSUED

3/11/92

15. DATE SPUDDED

7/5/92

16. DATE T.D. REACHED

7/10/92

17. DATE COMPL. (Ready to prod.)

9/18/92

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3722' GR

19. ELEV. CASINGHEAD

3720'

20. TOTAL DEPTH, MD & TVD

3551'

21. PLUG, BACK T.D., MD & TVD

3492' PB

22. IF MULTIPLE COMPL., HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS

All

CABLE TOOLS

None

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

3066'-72' (Vacuum), 3146'-52' (Lovington), 3336'-3471' (Jackson)

25. WAS DIRECTIONAL SURVEY MADE

No

26. TYPE ELECTRIC AND OTHER LOGS RUN

GR/CN/CBL

27. WAS WELL CORED

No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8" OD	24	482' KB	12 1/4"	300sks C1 C, TOC surface	None
5 1/2" OD	17	3541' KB	7-7/8"	275sks C1 C	
				1100 sks C1 H, TOC 1140'	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2.375"	3443'	

31. PERFORATION RECORD (Interval, size and number)

3030', 66', 68', 70', 72', 3146', 48', .5" 11
3150', 52', 95', 3202'
3336', 37', 53', 54', 82', 3406', 07', .5" 22
3408', 39.5', 40.5', 3446', 47',
48', 49', 50', 54', 57', 58', 68', 69', 70', 71'

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
1480'	400 sks C1 H
3030'-3202'	1000 gal 15% HCl
3336'-3471'	2200 gal 15% HCl

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	WELL STATUS (Producing or shut-in)					
10/1/92	Pump 250-175-16-18- TWB	Producing					
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12/12/92	24	2"	→	15	1	311	67
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
--	--	→	15	1	311	38	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold to Conoco, Inc.

TEST WITNESSED BY

Rayford Starkey

35. LIST OF ATTACHMENTS

Logs, Deviation record

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

John C. McPhaul

TITLE

Production Superintendent

DATE 12/23/92

*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.
San Andres Jackson	3030' 3336'	3202' 3471'	Dolomite and limey sand oil pays Dolomite oil

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
T. Salt	500'	500'
B. Salt	1220'	1220'
T. Queen	2288'	2288'
T. Grayburg	2672'	2672'
T. San Andres	3017'	3017'

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE

(Other instructions on reverse side)

3005 26968 Form approved. Budget Bureau No. 1004-0136 Expires August 31, 1985

2 MAR 22 AM 10 15

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL [X] DEEPEN [] PLUG BACK []

b. TYPE OF WELL OIL WELL [X] GAS WELL [] OTHER [] SINGLE ZONE [X] MULTIPLE ZONE []

2. NAME OF OPERATOR Burnett Oil Co., Inc. 817/332-5108

3. ADDRESS OF OPERATOR 801 Cherry Street, Suite 1500, Fort Worth, TX 76102

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface Unit Letter O, 2570' FEL, 1245' FSL, Sec. 13, T17S, R30E At proposed prod. zone Same

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 5 miles northeast of Loco Hills, NM

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drig. unit line, if any) 2570'

16. NO. OF ACRES IN LEASE 2040 (in Unit)

17. NO. OF ACRES ASSIGNED TO THIS WELL Infill

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

19. PROPOSED DEPTH 3550'

20. ROTARY OR CABLE TOOLS Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3722' GR No Water Basin

22. APPROX. DATE WORK WILL START* 3/30/92

23. PROPOSED CASING AND CEMENTING PROGRAM

Table with 5 columns: SIZE OF HOLE, SIZE OF CASING, WEIGHT PER FOOT, SETTING DEPTH, QUANTITY OF CEMENT. Rows include 12 1/2" hole with 8-5/8" casing and 7-7/8" hole with 5 1/2" casing.

A 12 1/2" surface hole will be drilled to the Rustler Anhydrite. 8-5/8" casing will be set at this point and cemented back to the surface. After waiting on cement 12 hrs., casing and blowout preventer will be tested before drilling out the shoe. A 7-7/8" hole will then be drilled to the base of the Jackson producing interval at ±3550'. We anticipate evaluating a shallow zone in the Fren interval from approximately 1850'-1925' by coring. No completion will be attempted in this non-unitized zone. 5 1/2" casing will be set at TD and cemented back to the base of the salt at approximately 1290'. Productive zones in the unitized interval will then be perforated and treated conventionally.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED [Signature] TITLE Production Superintendent DATE 2/11/92

(This space for Federal or State office use)

PERMIT NO. APPROVAL DATE

APPROVED BY [Signature] TITLE DATE 3-11-92

CONDITIONS OF APPROVAL IF ANY: APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

*See Instructions On Reverse Side

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT I
P.O. Box 1883, Hobbs, NM 88240

DISTRICT II
P.O. Drawer 88, Artesia, NM 88210

DISTRICT III
1000 Elko Branch Rd., Aztec, NM 87410

WELL LOCATION AND ACREAGE DEDICATION PLAT

All Distances must be from the outer boundaries of the section

Operator BURNETT OIL CO., INC.			Lease GRAYBURG JACKSON (S.A.)		Well No. 49
Unit Letter 0	Section 13	Township 17 SOUTH	Range 30 EAST	County NMPM EDDY	

Actual Footage Location of Well:
2570 feet from the EAST line and 1245 feet from the SOUTH line

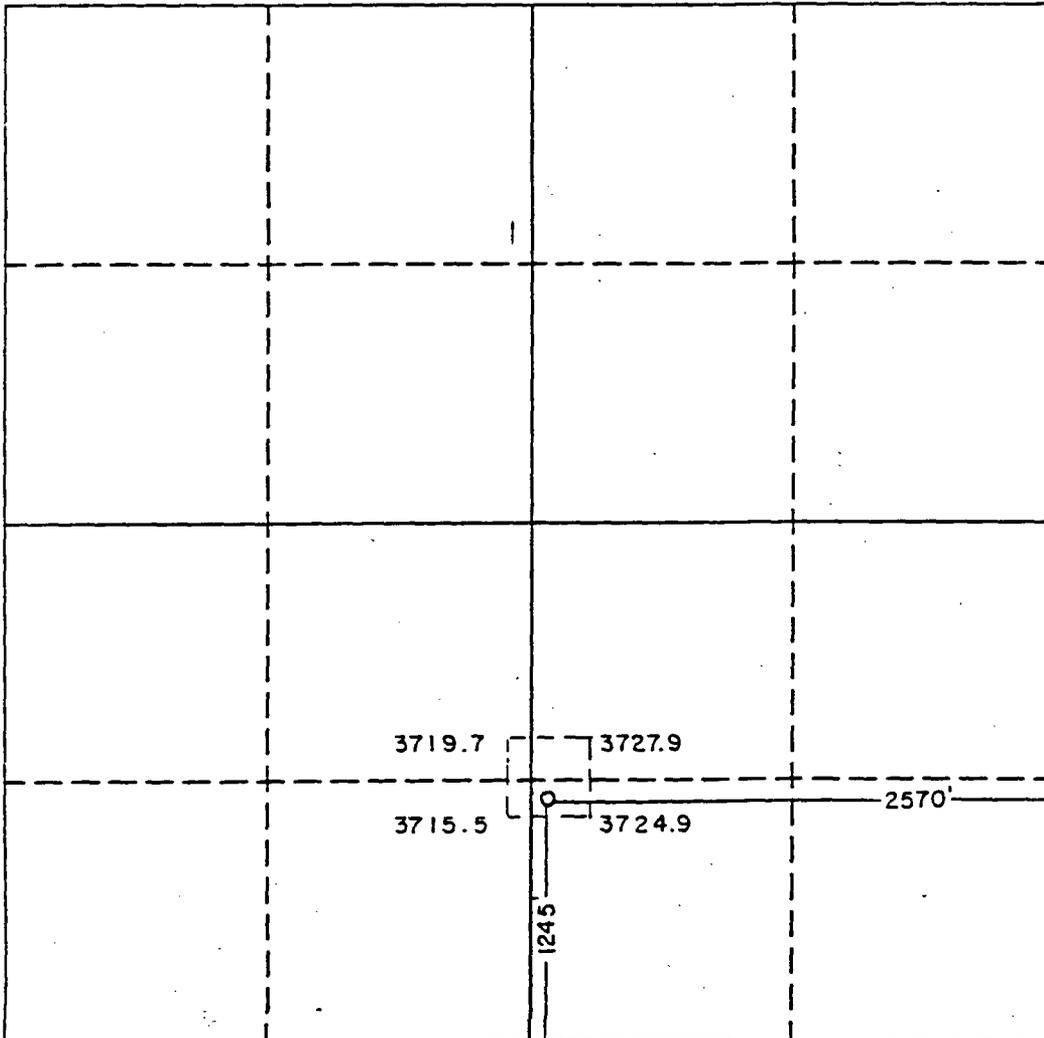
Ground Level Elev. 3722.2	Producing Formation San Andres	Pool Grayburg Jackson	Dedicated Acreage: 40 Acres
------------------------------	-----------------------------------	--------------------------	--------------------------------

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

Yes No If answer is "yes" type of consolidation _____ Unit

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

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



OPERATOR CERTIFICATION

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

Signature: *John C. McPhaul*
Printed Name: John C. McPhaul
Position: Production Supt.
Company: Burnett Oil Co., Inc.
Date: February 11, 1992

SURVEYOR CERTIFICATION

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: JAN. 13, 1992

Signature & Seal of Professional Surveyor

Ronald J. Edson
Certificate No. JOHN W. WEST, 878
RONALD J. EDSON, 3228
GARY L. JONES, 7877



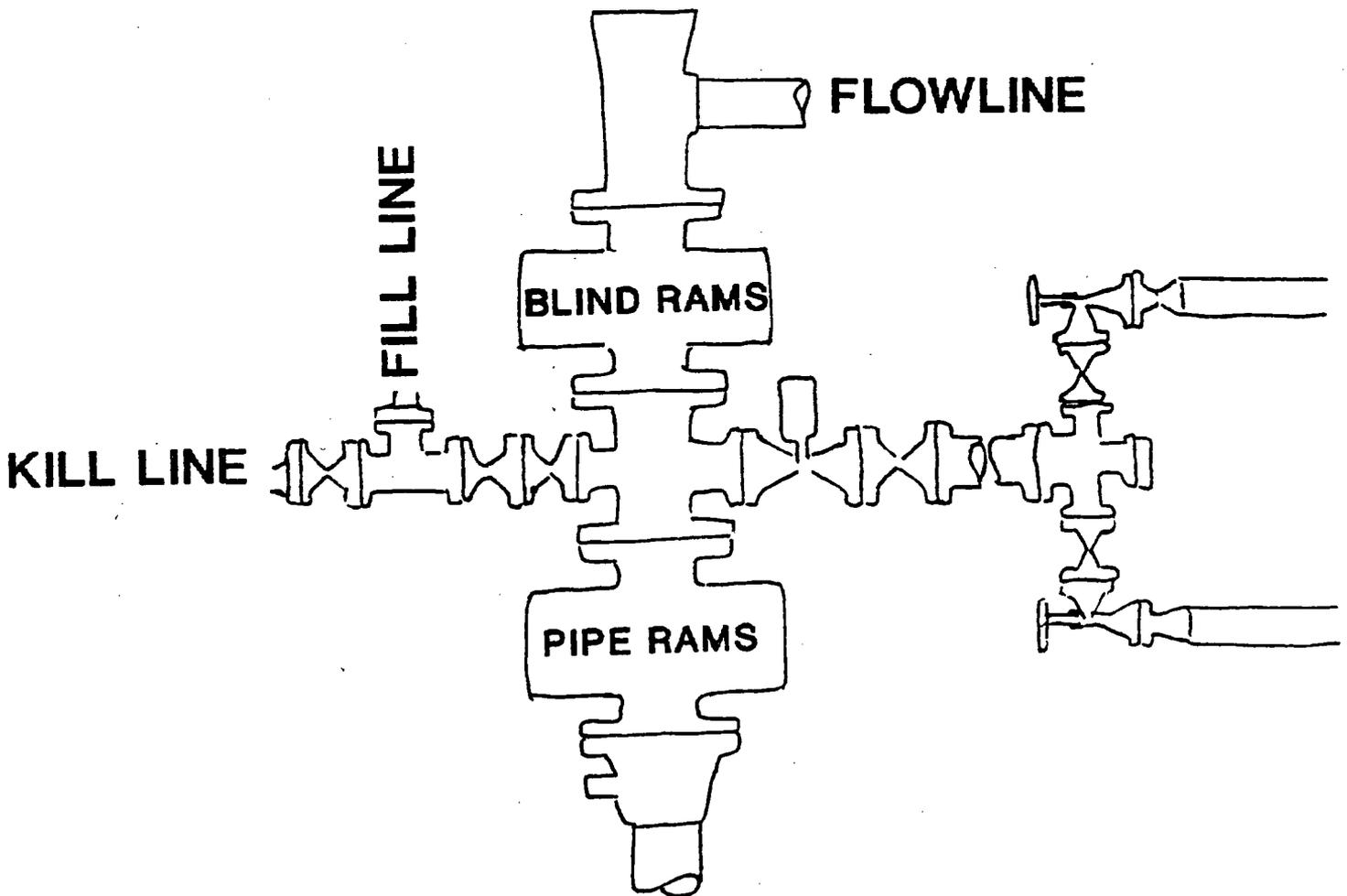
W.O. 92-11-0048

GRAYBURG JACKSON
(SAN ANDRES)
UNIT # 49
EXHIBIT D

BURNETT OIL CO., INC

BLOWOUT PREVENTER SPECIFICATIONS

3000 PSI DOUBLE RAM



THE BOPE WILL BE TESTED TO 3000 PSI
BEFORE DRILLING OUT BELOW SURFACE PIPE.

WRS COMPLETION REPORT

COMPLETIONS SEC 13 TWP 17S RGE 30E
 PI# 30-T-0004 02/05/93 30-015-26968-0000 PAGE 1

NMEX EDDY * 1245FSL 2570FEL SEC SW SE
 STATE COUNTY FOOTAGE SPOT
 BURNETT OIL D DO
 OPERATOR WELL CLASS INIT FIN
 49 GRAYBURG-JACKSON (SAN ANDRES) UNIT
 WELL NO. LEASE NAME
 3734KB 3722GR GRAYBURG-JACKSON
 OPER ELEV FIELD POOL AREA
 API 30-015-26968-0000
 LEASE NO. PERMIT OR WELL I.D. NO.
 07/05/1992 12/12/1992 ROTARY VERT OIL
 SPUD DATE COMP. DATE TYPE TOOL HOLE TYPE STATUS
 3550 W E K DRLG 3 RIG SUB 11
 PROJ. DEPTH PROJ. FORM CONTRACTOR
 DTD 3551 PB 3492 FM/TD SN ANDRS
 DRILLERS T.D. LOG T.D. PLUG BACK TD OLD T.D. FORM T.D.

LOCATION DESCRIPTION

4 MI NE LOCO HILLS, NM

CASING/LINER DATA

CSG 8 5/8 @ 482 W/ 300 SACKS
 CSG 5 1/2 @ 3541 W/ 1375 SACKS

TUBING DATA

TBG 2 3/8 AT 3443

INITIAL POTENTIAL

IPP 15BOPD 1 MCFD 311BW 24HRS
 SN ANDRS PERF W/ 33/IT 3030- 3471 GROSS
 PERF 3030, 3066, 3068, 3070, 3072, 3146, 3148, 3150
 PERF 3152, 3195, 3202, 3336, 3337, 3353, 3354, 3382
 PERF 3406, 3407, 3408, 3439, 3440, 3446, 3447, 3448
 PERF 3449, 3450, 3454, 3457, 3458, 3468, 3469, 3470
 PERF 3471
 ACID 3030- 3202 1000GALS
 15% HCL
 ACID 3336- 3471 2200GALS
 15% HCL
 GTY 38.0 GOR 67

TYPE	FORMATION	LTH	TOP DEPTH/SUB	BSE DEPTH/SUB
LOG	SALT		500 3222	1220 2502

CONTINUED IC# 300157007392



COMPLETIONS SEC 13 TWP 17S RGE 30E
PI# 30-T-0004 02/05/93 30-015-26968-0000 PAGE 2

BURNETT OIL D DO
49 GRAYBURG-JACKSON (SAN ANDRES) UNIT

TYPE FORMATION LTH TOP DEPTH/SUB BSE DEPTH/SUB

LOG QUEEN 2288 1434
LOG GRAYBURG 2672 1050
LOG SN ANDRS 3017 705

SUBSEA MEASUREMENTS FROM GR

LOGS AND SURVEYS /INTERVAL,TYPE/

LOGS GR CNL CBL

DRILLING PROGRESS DETAILS

BURNETT OIL
BOX 188
LOCO HILLS, NM 88255
505-677-2313
02/27 LOC/1992/
07/16 3551 TD, WOCT
RIG REL 07/10/92
02/01 3551 TD, PB 3492
COMP 12/12/92, IPP 15 BO, 1 MCFG, 311 BWPD
GOR 67, GTY 38
PROD ZONE - SAN ANDRES 3030-3471
NO CORES OR DSTS RPTD