

APPLICATION FOR AUTHORIZATION TO INJECT

- I. Purpose: ☒ Secondary Recovery ☐ Pressure Maintenance ☐ Disposal ☐ Storage
Application qualifies for administrative approval? ☐ yes ☐ no
- II. Operator: Burk Royalty Co.
Address: P. O. Box BRC, Wichita Falls, Texas 76307
Contact party: Charles Gibson Phone: 817/322-5421
- III. Well data: Complete the data required on the reverse side of this form for each well proposed for injection. Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? ☐ yes ☒ no
If yes, give the Division order number authorizing the project _____.
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- * VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geological data on the injection zone including appropriate lithologic detail, geological name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such source known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any. OIL CONSERVATION DIVISION
- * X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division they need not be resubmitted.) EXHIBIT 4
- * XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken. 10485
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground source of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification
- I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- Name: Charles Gibson Title: Petroleum Engineer
Signature: [Signature] Date: April 5, 1994
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be duplicated and resubmitted. Please show the date and circumstance of the earlier submittal. _____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate Division district office.

III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; location by Section, Township, and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
Yates Formation - Lynch Pool
- (2) The injection interval and whether it is perforated or open-hole.
3564'-3585' perforated
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
Originally drilled as producer
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
No other perforations in well
- (5) Give the depth to and name of the next higher and next lower oil or gas zone in the area of the well, if any.
None in direct area of the well-above.
Seven Rivers 3,600' - below.

XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) the intended purpose of the injection well; with the exact location of single wells or the section, township, and range location of multiple wells;
- (3) the formation name and depth with expected maximum injection rates and pressures; and
- (4) a notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, P. O. Box 2088, Santa Fe, New Mexico 87501 within 15 days.

NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

NOTICE: Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

PROPOSED HANSON "C" #4 INJECTION WELL PARAMETERS

1. Proposed Average Daily Rate
300 barrels water per day

Maximum Daily Rate
1,500 barrels water per day
2. The system is closed.
3. Proposed Average Injection Pressure
300 psi

Proposed Maximum Injection Pressure
1,500 psi
4. The sources of injection fluid will be reinjected produced water.
5. The injection zone is the Yates Sandstone. It is Upper Permian in age. The top of the Yates in the Hanson "C" #4 is at 3,462. The well is perforated from 3,564' to 3,585'. There are no underground sources of drinking water below the Yates in this area. Above the Yates, the Quaternary alluvium to a depth of 80' is the only source of ground water in the area.

LANDOWNER AND LEASEHOLD OPERATORS

LANDOWNER

BLM

P. O. Box 1157
Hobbs, New Mexico 88240-1157
Certified Mail #P 964 189 507

Dan & Ron Berry
P. O. Box 67
Eunice, New Mexico 88231
Certified Mail #P 964 189 508

LEASEHOLD OPERATORS

Shell Western Exploration & Production
Box 576
Houston, Texas 77001
Certified Mail #P 964 189 538

Nearburg Producing Company
1819 North Turner
Hobbs, New Mexico 88240
Certified Mail #P 964 189 539

Devon Energy Corporation
20 North Broadway, Suite 1500
Oklahoma City, Oklahoma 73102
Certified Mail #P 964 189 540

Anadarko Petroleum Corporation
Box 130
Artesia, New Mexico 88211-0130
Certified Mail #P 964 189 541

Read & Stevens, Inc.
Box 1518
Roswell, New Mexico 88202
Certified Mail #P 964 189 542

Mobil Producing Texas and New Mexico
Box 1800
Hobbs, New Mexico 88240
Certified Mail #P 964 189 543

Texaco Exploration and Production, Inc.
Box 730
Hobbs, New Mexico 88241-0730
Certified Mail #P 964 189 544

Collins & Ware
303 West Wall, Suite 2200
Midland, Texas 79701
Certified Mail #P 964 189 545

Mack Energy Corp.
Box 276
Artesia, New Mexico 88210
Certified Mail #P 964 189 546

HANSON "C" #4 INJECTION PERMIT APPLICATION, T20S, R34E
WELLS WHICH PENETRATE PROPOSED INJECTION ZONE

<u>WELL</u>	<u>DATE DRILLED</u>	<u>WELL TYPE</u>	<u>LOCATION</u>	<u>DEPTH</u>	<u>CASING</u>	<u>RECORD OF COMPLETION</u>	<u>CURRENT STATUS</u>
Hanson "C" #4	5/25/64	Oil	Sec. 23, 1650' FSL & FWL	3,700'	5 1/2" @ 3,692'	Attached	TA
Hanson "C" #1	7/17/63	Oil	Sec. 23, 330' FSL & FWL	3,700'	5 1/2" @ 3,699'	Attached	Active
Hanson "C" #2	8/24/63	D&A	Sec. 23, 1,650' FSL-330' FWL	3,672'	--	--	D & A
Hanson "C" #3	9/21/63	Oil	Sec. 23, 330' FSL-1,650' FWL	3,702'	5 1/2" @ 3,699'	Attached	Active
Hanson Fed "D" #1	9/9/63	Oil	Sec. 26, 330' FNL-330' FWL	3,730'	5 1/2" @ 3,728'	Attached	P & A
Hanson Fed "D" #2	10/3/63	D&A	Sec. 26, 330' FNL-1,650' FWL	3,667'	--	--	D & A
D&E Federal #1	8/8/61	D&A	Sec. 23, 330' FSL-2,970' FWL	3,601'	--	--	D & A

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

5. LEASE DESIGNATION AND SERIAL NO.

LC-066126

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hanson "C"

9. WELL NO.

4

10. FIELD AND POOL, OR WILDCAT

Lynch

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

Sec. 23, T20N, R34E

12. COUNTY OR
PARISH

Lea

13. STATE

N. M.

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☐ DRY ☐ Other Temp. Abnd.

b. TYPE OF COMPLETION:

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

2. NAME OF OPERATOR

Burk Royalty Company

3. ADDRESS OF OPERATOR

c/o Oil Reports & Gas Services, Box 763, Hobbs, New Mexico

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

At surface 1650' PSL & 1650' FWL of Section 23

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

1/19/64

16. DATE T.D. REACHED

1/26/64

17. DATE COMPL. (Ready to prod.)

T.A. 5/25/64

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

3631 DF

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

3700

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

3572

22. IF MULTIPLE COMPL.,
HOW MANY*23. INTERVALS
DRILLED BY

ROTARY TOOLS

0 - 3700

CABLE TOOLS

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

none - well temp. abnd. for possible use as water disposal well

25. WAS DIRECTIONAL
SURVEY MADE

Yes

26. TYPE ELECTRIC AND OTHER LOGS RUN

Gamma Ray-Acustilog

27. WAS WELL CORED

Yes

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	23.4	253	12 1/4	100 sacks	none
5 1/2	14.4	3692	7 7/8	500 sacks	none

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

3564-70; 3574-76; 3583-85 w/4 Jet shots
per foot

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
3564-85	1000 acid; 16,750 oil, 28,625 sd.
3574-85	1000 acid; 16,250 oil, 12,750 sd.

33.* PRODUCTION

DATE FIRST PRODUCTION T.A. 5/25/64 PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in)

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	

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

TEST WITNESSED BY

35. LIST OF ATTACHMENTS

2 copies electric log

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

SIGNED W. L. SMITHTITLE AgentDATE 2/24/65

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

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:				38. GEOLOGIC MARKERS	
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				NAME	MEAS. DEPTH
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH
Yates	3579	3602	Red Shaley Sand	Anhydrite	1535
	3602	3612	Dense Dolomite	Salt	1670
	3612	3634	Anhydrite	Dense Salt	3295
				Yates	3474

REQUEST FOR (OIL) - (GAS) ALLOWABLE

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico
(Place)

July 24, 1963
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Burk Royalty Company (Company or Operator) Hanson "C" (Lease), Well No. 1, in SW 1/4, SW 1/4,

M, Sec. 23, T. 20 S, R. 34 E, NMPM, Undesignated (Lynch) Pool

County. Date Spudded 7/9/63 Date Drilling Completed 7/17/63
Elevation 3689 KB Total Depth 3700 PSTD 3670

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P
X			

330/S & 330/W

Tubing, Casing and Cementing Record
Size Feet Sax

8 5/8	266	100
5 1/2	3699	330
2 3/8	3575	

Top Oil/Gas Pay 3583 Name of Prod. Form. Yates

PRODUCING INTERVAL -

Perforations 3583-96

Open Hole Depth Casing Shoe 3699 Depth Tubing 3575

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Size

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 76 bbls. oil, no bbls water in 24 hrs, no min. Size 20/64

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 10,000 gal lease oil, 10,000# sand

Casing Press. 2950 Tubing Press. Date first new oil run to tanks 7/23/63

Oil Transporter Texas-New Mexico Pipe Line Co.

Gas Transporter Phillips Petroleum Co.

Remarks: Deviation Surveys on reverse side

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

Approved: 19

Burk Royalty Company

(Company or Operator)

By: H. L. Smith (Signature)

Agent

Title: Send Communications regarding well to:

Name: Burk Royalty Company

5% OIL REPORTS & GAS SERVICES

Address: BOX 763 HOBBS, NEW MEXICO

OIL CONSERVATION COMMISSION

By: Title:

DEVIATION SURVEYS:

Depth Degrees

126	1 1/4
212	3/4
353	1/4
709	1/2
840	1/4
1067	1/4
1334	1/2
1500	1
1755	1 1/4
1937	3/4
2057	3/4
2256	1/4
2445	1/4
2657	1/4
2867	1
3017	1 1/2
3107	2
3167	2 1/4
3227	2 1/2
3288	2 1/4
3348	2 1/4
3430	2

I do hereby certify that the above information was taken directly from the daily drilling reports of Leatherwood Drilling Company and is true and correct to the best of my knowledge.

R. L. Smith
R. L. Smith

Subscribed and sworn to before me this 24th day of July, 1963.

[Signature]
Notary Public in and for
Las County, New Mexico

My commission expires 12/20/65.

NEW MEXICO OIL CONSERVATION COMMISSION
Santa Fe, New Mexico

(Form C-104)
Revised 7/1/57

REQUEST FOR (OIL) - (GAS) ALLOWABLE

New Well
~~Recompletion~~

This form shall be submitted by the operator before an initial allowable will be assigned to any completed Oil or Gas well. Form C-104 is to be submitted in QUADRUPLICATE to the same District Office to which Form C-101 was sent. The allowable will be assigned effective 7:00 A.M. on date of completion or recompletion, provided this form is filed during calendar month of completion or recompletion. The completion date shall be that date in the case of an oil well when new oil is delivered into the stock tanks. Gas must be reported on 15.025 psia at 60° Fahrenheit.

Hobbs, New Mexico
(Place)

September 30, 1963
(Date)

WE ARE HEREBY REQUESTING AN ALLOWABLE FOR A WELL KNOWN AS:

Burk Royalty Company Hanson "NC" Well No. 3, in SE 1/4 SW 1/4,
(Company or Operator) (Lease)
N Sec. 23 T. 20 S R. 34 E, NMPM, Undesignated (Lynch) Pool
Unit Letter

Lea

County. Date Spudded 9/15/63 Date Drilling Completed 9/21/63
Elevation 3690 DF Total Depth 3702 PSTD 3670

Please indicate location:

D	C	B	A
E	F	G	H
L	K	J	I
M	N	O	P
X			

Top Oil/Gas Pay 3587 Name of Prod. Form. Yates

PRODUCING INTERVAL -

Perforations 3587-3597, 3599-3601

Open Hole Depth Casing Shoe 3699 Depth Tubing 3576

OIL WELL TEST -

Natural Prod. Test: bbls. oil, bbls water in hrs, min. Size Choke

Test After Acid or Fracture Treatment (after recovery of volume of oil equal to volume of load oil used): 42 bbls. oil, no bbls water in 6 hrs, no min. Size Swab Choke

GAS WELL TEST -

Natural Prod. Test: MCF/Day; Hours flowed Choke Size

Tubing, Casing and Cementing Record
Size Feet Sax

8 5/8	245	175
5 1/2	3699	576
2 3/8	3576	

Method of Testing (pitot, back pressure, etc.):

Test After Acid or Fracture Treatment: MCF/Day; Hours flowed

Choke Size Method of Testing:

Acid or Fracture Treatment (Give amounts of materials used, such as acid, water, oil, and sand): 16,000 gal lease oil, 30,000# sand.

Casing Tubing Date first new Press. 3200 Press. oil run to tanks 9/29/63

Oil Transporter The Permian Corporation

Gas Transporter None

Remarks:

Deviation Surveys on reverse side.

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

Approved: 19

Burk Royalty Company
(Company or Operator)

OIL CONSERVATION COMMISSION

By: W. L. SMITH
(Signature)

By:

Title Agent
Send Communications regarding well to:

Title

Name Burk Royalty Company

Address % OIL REPORTS & GAS SERVICES

DEVIATION SURVEYS:

Depth Degrees

125	3/4
249	3/4
298	1/2
608	1/4
935	3/4
1709	3/4
1951	3/4
2221	1/2
2596	1
2752	1 3/4
2938	2 3/4
3060	2 3/4
3152	2 1/2
3305	3 1/4
3398	3 1/4
3484	2 3/4
3696	2

I do hereby certify that the above information was taken directly from the daily drilling reports of Leatherwood Drilling Company and is true and correct to the best of my knowledge.

W. L. Smith

Subscribed and sworn to before me this 30th day of September, 1963.

Notary Public in and for
Lea County, New Mexico

My commission expires 12/20/65.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

LC-066126

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Hanson D

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Lynch Yates 7 River

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

S26T20R34

4. PERMIT NO.

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 3694'; GR 3682.7'

12. COCNTY OR PARISH

Lea

13. STATE

NM

5. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

☐

PULL OR ALTER CASING

☐

FRACTURE TREAT

☐

MULTIPLE COMPLETE

☐

SHOOT OR ACIDIZE

☐

ABANDON*

☐

REPAIR WELL

☐

CHANGE PLANS

☐

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

☐

REPAIRING WELL

☐

FRACTURE TREATMENT

☐

ALTERING CASING

☐

SHOOTING OR ACIDIZING

☐

ABANDONMENT*

☒

(Other)

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

7. 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.)

Well Completion Record:

270' 8 5/8" 14-15.5#

3728' 5 1/2"

3579' 5/8" rods

Perforating record:

8 shots from 3614' to 3618'

8 shots from 3620' to 3624'

6 shots from 3628' to 3631'

100 sxs neat cement was pumped through tubing to cover existing perfs. Perf squeezed at 3000#. 2000' or 50 bbl of salt gel (9.0 ppg.) spacer was pumped. Shot squeeze perfs at 1450 and set cement retainer at 1400 with 35' cement on top. 100' cement plug across 8 5/8" casing shoe extending 50' above/ 50' below casing shoe. Left 50' surface plug and erected P & A monument.

I hereby certify that the foregoing is true and correct

SIGNED

Robert Fowler

TITLE

Robert Fowler, Vice-President

DATE

12-17-87

(This space for Federal or State office use)

APPROVED BY

TITLE

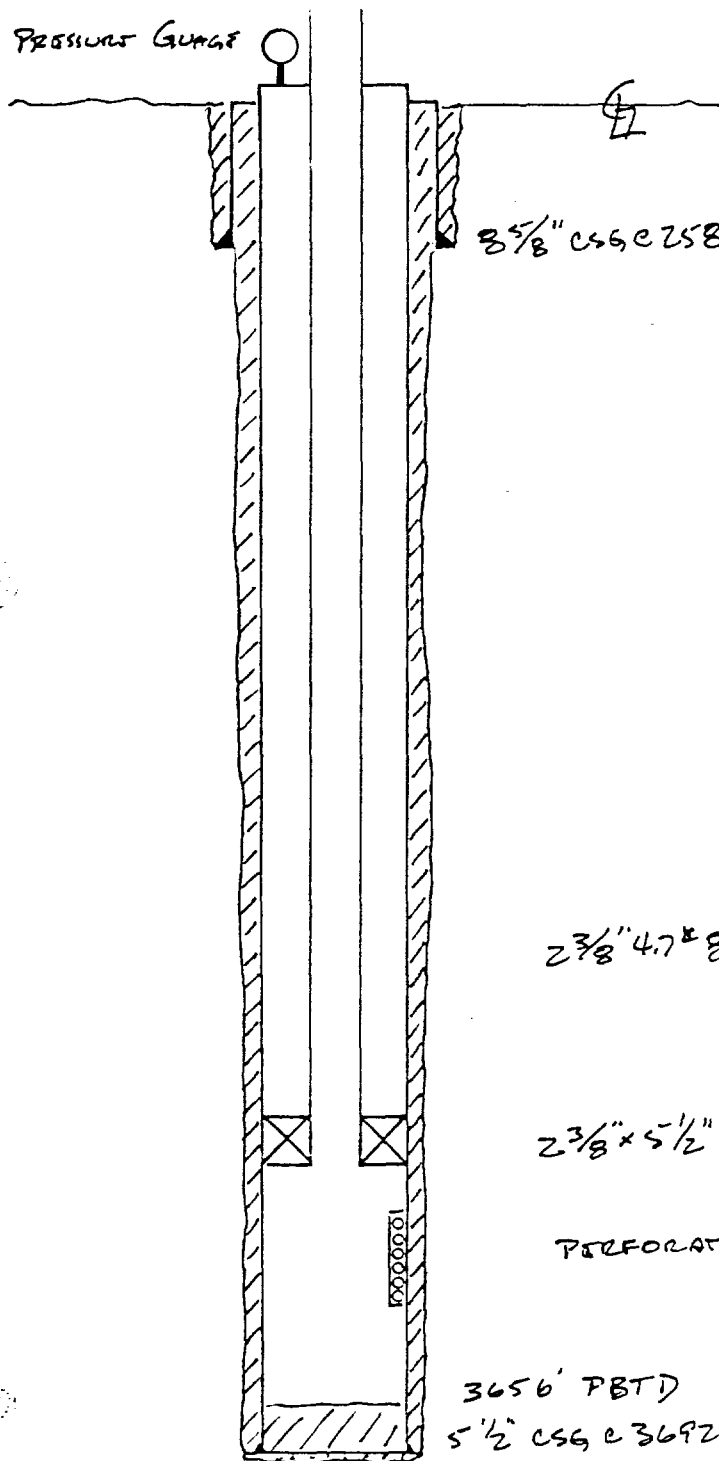
DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

HANSON "C" #4

1650' FSL, 1650' FWL, SEC 23, T20S, R34E, LEA COUNTY, NEW MEXICO
 SURFACE CSG: 8 5/8" 28# C258' CMTD TO SURFACE W/100SX IS 12 1/4" HOLE
 PRODUCTION CSG: 5 1/2" 14# C3692' CMTD TO SURFACE W/500SX IS 7 7/8" HOLE
 INJECTION TBG: 2 3/8" 4.7# PVC LINED STEEL BREGUS TBG TO 3450'
 INJECTION PACKER: 2 3/8" x 5 1/2" PVC LINED TENSION PACKER AT 3450'



8 5/8" CSG C258' CMTD TO SURFACE

2 3/8" 4.7# BR PVC LINED TBG TO 3450'

2 3/8" x 5 1/2" PVC LINED TENSION PACKER 3450'

PERFORATIONS 3564-70
 3574-76
 3583-85

3656' PBTD

5 1/2" CSG C3692' CMTD TO SURFACE
 TD 3700'

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, Kathi Bearden

General Manager

of the Hobbs Daily News-Sun, a daily newspaper published at Hobbs, New Mexico, do solemnly swear that the clipping attached hereto was published once a week in the regular and entire issue of said paper, and not a supplement thereof for a period.

of _____

one weeks.

Beginning with the issue dated

April 10, 19 94

and ending with the issue dated

April 10, 19 94

Kathi Bearden

General Manager

Sworn and subscribed to before

me this 11 day of

April, 19 94

Charlene Perren

Notary Public.

My Commission expires
March 15, 1997

(Seal)

LEGAL NOTICE
APRIL 10, 1994
NOTICE OF
APPLICATION
FOR INJECTION
PERMIT

Burk Royalty Co., P.O. Box BRC, Wichita Falls, Texas 76307; 817/322-5421 has applied to the Oil Conservation Division for a permit to inject fluid into a formation which is productive of oil or gas. The intended purpose of the injection well is to improve oil production. The applicant proposes to inject fluid into the Yates formation at a depth of 3,564'-3,585' with expected maximum injection of 1,500 barrels per day at 1,500 psi. The Hanson 'C' #4 is located 1,650' FSL & 1,650' FWL of Section 23, T20S, R34E, Lea County, New Mexico.

Requests for a public hearing from persons who can show they are adversely affected, or requests for further information concerning any aspect of the application should be submitted in writing, within fifteen days of publication, to the Oil Conservation Division, P.O. Box 2088, Santa Fe, New Mexico 875091.

This newspaper is duly qualified to publish legal notices or advertisements within the meaning of Section 3, Chapter 167, Laws of 1937, and payment of fees for said publication has been made.

