El Ran, Inc.

1113 Main Street
Lubbock, Texas
79408

P.O. Box 911

806 763 4091

June 3, 1988

Mr. Michael E. Stogner
Oil Conversation Commission
P. O. Box 2088
Santa Fe, New Mexico 87504

Re: Case 9358

Dear Mr. Stogner:

Attached you will find the information you requested on the above referenced Waterflood application. We apologize for not having included this well in the original application.

Please contact us if we can provide additional information. We appreciate your personal attention to this matter.

Sincerely,

Robert R. Ranck

Robert R. Ranck
Vice President

State of New Mexico
Form C-108
APPLICATION FOR AUTHORIZATINO TO INJECT

VI. Tabulation of Data on All Wells of Public Record Within the Area of Review:

Company: EL RAN INC.

Well No: #1

Well Type: OIL P.A 6-21-78

Date Drilled: 12-30-77

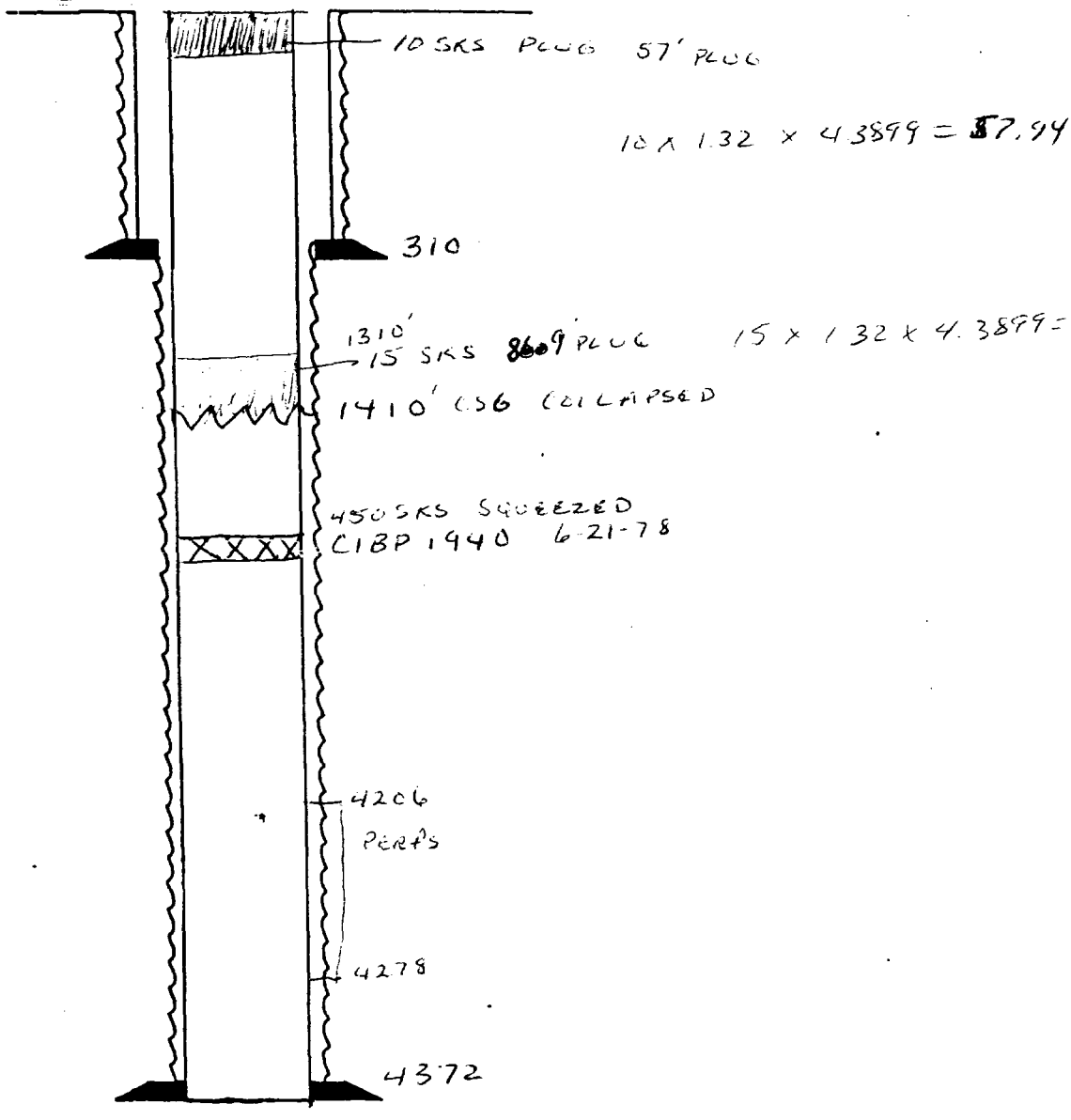
Location: UNIT P; 660 FSL, 660 FEL
SEC 34, T. 7-S, R-32E ROOSEVELT COUNTY N.M.

CSG. COLLAPSE
C.I.B.P. 1940'; - 450 SKS SQUEEZED AT 1930'
; 15 SKS AT 1410'
; 10 SKS AT SURFACE

Record of Completion:

TD: 4380 **Surf Csg:** 310 **Prod Csg:** 4372

Perforations:



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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☒

5. State Oil & Gas Lease No.

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.)

7. Unit Agreement Name

OIL WELL ☒ GAS WELL ☐ OTHER-

2. Name of Operator
El Ran, Inc.

8. Farm or Lease Name
Byron

3. Address of Operator
1603 Broadway, Lubbock, Texas 79401

9. Well No.
1

4. Location of Well
UNIT LETTER P, 660 FEET FROM THE East LINE AND 660 FEET FROM THE South LINE, SECTION 34 TOWNSHIP 7-S RANGE R-32-E NMPM.

10. Field and Pool, or Wildcat
Chaveroo (SA)

15. Elevation *(Show whether DF, RT, GR, etc.)*
4480 GR

12. County
Roosevelt

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

17. 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.

Casing collapsed at 1410', and we were unable to re-enter casing. We had to plug well. A 100' plug, 15 sacks, was set via tubing at 1410' on 6-21-78. A 10 sack plug was placed at the surface and well marked. 15# mud was used for displacement. Approval to plug was made by Jerry Sexton 6-20-78.

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

SIGNED [signature] TITLE Agent DATE 7-5-78

APPROVED BY [signature] TITLE OIL & GAS INSPECTOR DATE APR 2 1979

CONDITIONS OF APPROVAL, IF ANY:

IES RECEIVED		
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FE		
G.S.		
.ND OFFICE		
/PERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

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. OIL WELL ☒ GAS WELL ☐ OTHER-

7. Unit Agreement Name

2. Name of Operator
El Ran Inc

8. Farm or Lease Name
Byron

3. Address of Operator
1603 Broadway Lubbock. Texas 79401

9. Well No.
1

4. Location of Well
UNIT LETTER F, 660 FEET FROM THE East LINE AND 660 FEET FROM THE South LINE, SECTION 34 TOWNSHIP 7-S RANGE R-32-E NMPM.

10. Field and Pool, or Wildcat
Chaveroo (SA)

15. Elevation *(Show whether DF, RT, GR, etc.)*
4480 Gr

12. County
Roosevelt

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

17. 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.

4 1/2" bridge plu was set at 1940'. Perforated with three holes at 1930. 450 sks were squeezed at 1930. Halliburton Co was cementing company. Approx top of cement 200' from surface. Casing collapsed due to having to cement the casing may loose well.

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

SIGNED [signature] TITLE [signature] DATE 6/15/78

APPROVED BY Orig. Signed by Jerry Sexton TITLE Dist. Supv. DATE JUN 27 1978

CONDITIONS OF APPROVAL, IF ANY:

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NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State ☐ Fee ☐

5. State Oil & Gas Lease No. XX

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. OIL WELL ☐ GAS WELL ☐ OTHER-

7. Unit Agreement Name

2. Name of Operator XX

8. Farm or Lease Name

3. Address of Operator EL RAN, INC.

9. Well No. BYRON

4. Location of Well 1603 BROADWAY LUBBOCK, TEXAS 79401

10. Field and Pool, or Wildcat 1

UNIT LETTER P, 660 FEET FROM THE South LINE AND 660 FEET FROM THE East LINE, SECTION 34 TOWNSHIP 7-S RANGE 32-E NMPM.

UNDESIGNATED (SA)

15. Elevation *(Show whether DF, RT, GR, etc.)*

12. County

16.

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER XX ☐	

17. 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.

8 5/8 casing was set at 310' and cemented with 250 sks. cement. Cement was circulated to surface and 24 hrs. were allowed for cement to set. 1000# pressure did not drop in 30 min. Wt. of pipe was 20#h-40. 4½"casing was set at 4371 and cemented with 125 sks. of 50-50 pos. wt. of pipe 9.5 j-55 Notice will be sent when we perforate oil string and cement to surface.

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

SIGNED Robert Ranch TITLE Production Super. DATE 12-16-77

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

El Ran, Inc.

1113 Main Street
LUBBOCK, TEXAS
79408

P.O. BOX 911

806/763-4091

June 9, 1988

Mr. Michael Stogner
Oil Conservation Division
New Mexico Energy & Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Division Case No. 9358

Dear Mr. Stogner:

Enclosed you will find the additional information you requested in your letter of June 6, 1988.

Please advise us if we can provide additional details.

Yours very truly,

EL RAN, INC.

Robert R. Ranck,
Vice President

RRR/kd
Enclosures

AIRBORNE EXPRESS

RECEIVER'S COPY

202 (5/86)

ORIGIN LB AIRBILL NO. 339564536

FROM (COMPANY NAME)

EL PAN

ADDRESS

1113 MAIN

CITY | STATE | ZIP CODE (REQUIRED)

L [illegible] TX 79401

SENT BY (NAME/DEPT.) | PHONE

RoberRtR. Ranck

BILLING REFERENCE INFORMATION TO APPEAR ON INVOICE

TO (COMPANY NAME)

Oil Conservation Division

ADDRESS

State of New Mexico

State Land Office Bldg, Old Santa Fe Trail

CITY | STATE | ZIP CODE (REQUIRED)

Skx Santa Fe, New Mexico 87501

ATTN. (NAME/DEPT.) | PHONE

Mr. Michael E. Seogner

RECEIVER'S AIRBORNE EXPRESS ACCOUNT NO.

TYPE OF PACKAGING

- ☐ EXPRESS/AD PACK ENVELOPE
- ☐ LETTER EXPRESS (UP TO 8 OZ.)
- ☐ EXPRESS PACK BOX/TUBE
- ☐ MAG TAPE PACK

DESCRIPTION OF CONTENTS

NO. OF PACKAGES: 1 | WEIGHT (LBS.): 1X

SENDER'S C.O.D. $

ROUTING

XYF

8C

BILL CHARGES TO (ASSUMED SENDER UNLESS OTHERWISE SPECIFIED)

- ☐ SENDER
- ☐ RECEIVER
- ☐ 3RD PARTY _____ AIRBORNE EXPRESS ACCOUNT NO.
- ☐ PAID IN ADVANCE $ _____ CHECK

TYPE OF SPECIAL SERVICE (EXTRA CHARGES MAY APPLY)

- ☐ SPECIAL PICKUP
- ☐ SATURDAY DELIVERY
- ☐ SPECIAL DELIVERY _____ : TIME
- ☐ HOLD AT AIRBORNE FOR PICKUP (NO CHARGE)

CONDITIONS OF CONTRACT

1. In tendering this airbill hereto, Sender agrees to these Conditions of Contract, which no agent or employee of the parties may alter, and that this airbill is [illegible] has been prepared by Sender or on Sender's behalf by Airborne. It is expressly agreed that the Conditions of Carriage for this shipment [illegible] Airborne's terms available for inspection at [illegible] which are hereby incorporated into this Contract.

2. [illegible] this shipment is packed adequately to protect the [illegible] ordinary care in handling.

3. [illegible] BE LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES, INCLUDING BUT NOT LIMITED TO [illegible] LOSS OF PROFITS OR REVENUE, WHETHER OR [illegible] SUCH DAMAGES MIGHT BE [illegible]

4. [illegible] Airborne does not [illegible] nor shall Airborne [illegible] failure to make timely delivery.

5. [illegible] by Airborne within [illegible] Claims must be [illegible] Airborne accepted the [illegible] WRITING to Airborne [illegible] after receipt of the shipment, verbally within [illegible] charges have been paid. Claims may not be deducted from transportation charges. Legal action to [illegible] after the claim has been [illegible]

6. [illegible] in the absence of a [illegible] $9.07 per pound, per [illegible] otherwise adversely [illegible] established in Airborne's [illegible] Declared values for [illegible] shall be subject to [illegible]

7. [illegible] of this airbill such [illegible] subject to the terms and [illegible]

8. No [illegible] station location shall have [illegible] A Letter Express℠ shipment [illegible] value in excess of $500.00. Any [illegible] ineffective.

9. Airborne shall not be liable for loss, damage, destruction, delay, theft, misdelivery, non-delivery or any other result not caused by the actual negligence of itself, its agents or employees.

10. Unless otherwise expressly provided in Airborne's tariffs, and subject to any conditions or restrictions contained therein, the following articles will not be accepted for transportation. Any shipment prohibited by law, artwork, bonds, coins of any kind, currency, furs, fur clothing, gems or stones (cut or uncut), industrial diamonds, gold or silver coined concentrates, jewelry (other than costume jewelry), money, pearls, precious metals, securities (negotiable), time-sensitive written material (e.g. bids, contract proposals when the declared value exceeds $9.07 per pound), processed film when the declared value exceeds $500.00, watches and parts thereof, and such other articles provided in Airborne's governing tariffs and service guide. These limitations are subject to revision as published in Airborne's governing tariffs. Airborne shall not be liable for any loss, damage, delay, liabilities or penalties resulting from the transportation of any of the foregoing articles, however described or misdescribed in this airbill, and no employee or agent of Airborne has any authority to accept for transportation such articles or to waive the limitations herein contained.

11. Airborne is insured for aggregate losses at any one time at any one place under a cargo policy with maximum limits of $1,500,000.00.

12. Rates and charges for this shipment will be based on actual or dimensional weight, whichever is greater.

13. Airborne's wholly-owned subsidiary, Airborne Forwarding Corporation, is an authorized freight forwarder, and the surface portion of the transportation may be subject to its tariffs on file with the Interstate Commerce Commission.

14. If this is an International shipment (except for Canada-destined shipments), liability rules under the Warsaw Convention shall apply, and Airborne accepts this airbill as a Shipper's Letter of Instruction with authorization to prepare and sign on Sender's behalf an International Airbill. For International shipments, Airborne reserves the option to act as Agent of the Carrier, instead of as a forwarder, in which event the direct carrier's tariffs shall apply to this shipment.

15. Transportation charges and service fees must be paid by Sender for C.O.D. shipments. C.O.D. payments may be made payable to Sender by receiver's check, cash, certified check, cashier's check, or money order at the receiver's option.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

June 6, 1988

El Ran, Inc.
1113 Main Street
Lubbock, TX 79408

Attention: Robert R. Ranck

RE: Division Case No. 9358

Dear Mr. Ranck:

Per my telephone conversation with you on Friday, June 3, 1988 and with your father on Monday, June 6, 1988, concerning the subject waterflood application, please submit a detailed plugging procedure and downhole schematic for your Byron Well No. 1 located in Unit P of Section 34, Township 7 South, Range 32 East and for the Pomeroy Smith & H.T. Hillard Griffin Well No. 1 located in Unit D of Section 10, Township 8 South, Range 32 East.

Our records indicate that your U.S. Well No. 2 located in Unit K of Section 34, Township 7 South, Range 32 East is "Temporarily Abandoned." Submit additional information on how this well was temporarily abandoned and its present status. Also our plugging records indicated that the 4-1/2 inch casing was shut in on your Bergstrom Well No. 1 located in Unit H of Section 34; however, there is no record of the amount of casing retrieved, please submit this information.

Please submit a downhole schematic for the J.C. Maxwell plugged and abandoned Superior Federal Well No. 1 located in Unit P of Section 4.

For the following three wells, please submit completion, casing and cementing data:

Brisco Oil Company
Hefflefinger Well No. 2
D-35-7S-32E;

El Ran, Inc. U.S. Well No. 4,
L-34-7S-32E;

MWJ Producing Co. Chaveroo State Well No. 1,
B-2-8S-32E.

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LAND OFFICE		
OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.: - -

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. OIL WELL ☐ GAS WELL ☐ OTHER. Dry Hole

7. Unit Agreement Name: - -

2. Name of Operator: Pomeroy Smith & H. T. Hilliard

8. Farm or Lease Name: Griffin

3. Address of Operator: 418 Bldg. of Southwest, Midland, Texas 79701

9. Well No.: 1

4. Location of Well: UNIT LETTER D, 660 FEET FROM THE North LINE AND 660 FEET FROM THE West LINE, SECTION 10 TOWNSHIP 8-S RANGE 32-E NMPM.

10. Field and Pool, or Wildcat: Wildcat

15. Elevation *(Show whether DF, RT, GR, etc.)*: GL 4489, KB 4499

12. County: Chaves

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT ☒
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☒	
OTHER ☐		OTHER ☐	

17. 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.

Spudded 9-20-69. Drilled 17½" hole to 375'. Cmt'd. 13-3/8" casing at 375' with 375 Sx. Circ. WOC 12 hours. Tested to 800 psi. o.k. Drilled 11" hole to 3502'. Cmt'd. 8-5/8 24#, 32# casing @ 3501 with 500 Sx. WOC 24 hours. Tested 8-5/8 to 1000 psi - held o.k. Drilled 7-7/8" hole to TD 10,900' in Devonian.
DST 10,884 - 10,885'. Rec. 800' fluid which was 200' WCM & 600' Black salty water.
Ran Schlumberger logs. Spotted cement plugs as follows:

25 Sx. 10,720-10,800
35 Sx. 8,601-8,714
25 Sx. 7,085-7,165
25 Sx. 4,695-4,775
25 Sx. 3,426-3,501
10 Sx. 0-30 in top of 8-5/8" casing. Did not pull any 8-5/8 or 13-3/8 casing. Erected marker. Will clean location as soon as rig is moved off. P&A completed 8:00 p.m. 11-19-69.

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

SIGNED J. T. Taylor TITLE Superintendent DATE 11-20-69

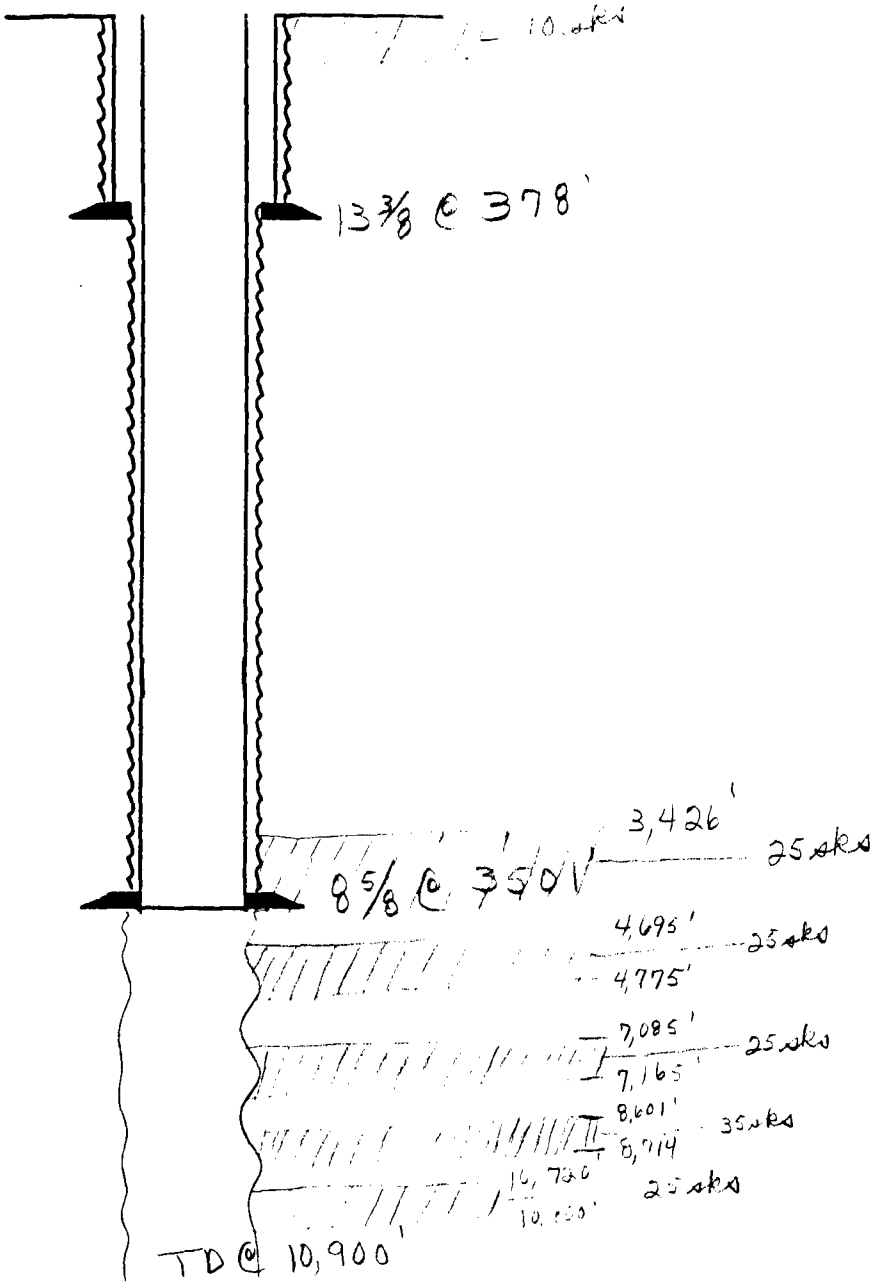
APPROVED BY Nathan E. Clegg TITLE OIL & GAS INSPECTOR DATE DEC 1 1971

CONDITIONS OF APPROVAL, IF ANY:

Smith & Hilliard

Griffin #1

P & A'd 11-19-69



CHAVES COUNTY NEW MEXICO WILDCAT

Well: H. T. HILLIARD & POMEROY SMITH, #1 Griffin Result: D&A

Loc'n: 15 mi W/Milnesand; 2-1/2 mi NW/12,040' Dev failure; 5 mi S/Squyers (Dev & Penn) Fld; 4 mi NW/Tobac Fld; SE/part County; Sec 10-8S-32E; 660' FNL, 660' FWL of Sec

NR N/2 of NW/4

Spud: 9-20-69; Comp: 11-19-69; Elev: NR; TD: 10,900'

Casing: 13-3/8" 378'/275 sx; 8-5/8" 3501'/500 sx

Comp Info: DST 4250-4301', tool plugged; DST 4250-4301', op 1 hr, wk blow, rec 647' gas in DP, 120' SGCM w/trace oil, ISIP 1387#/1 hr, FP 55-88#, FSIP 1095#/1 hr; DST 8674-8770', op 1-1/2 hrs, rec 320' SGCM, ISIP 1445#/1 hr, FP 963-496#, FSIP 496#/90 mins; DST 10,787-805', op 1 hr, rec 3' mud, NS, ISIP 778#/1 hr, FP0#, FSIP 230#/1 hr; DST 10,844-10,885', op 2 hrs, rec 200' WCM, 600' blk SSW, ISIP 4167#/1 hr, FP 85-343#, FSIP 4167#/1 hr

Tops: N R

Joe Kinchloe Oil Reports

Date: 12-10-69 Card No.: 3 NM dh

OPERATOR'S COPY

Form 9-331
Dec. 1973

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
APR 29 8 38 AM '88
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

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 Form 9-331-C for such proposals.)

1. oil well [X] gas well [ ] other

2. NAME OF OPERATOR
El Ran, Inc.

3. ADDRESS OF OPERATOR
P.O. Box 911, Lubbock, TX 79408

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 1650' FSL & 2310' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

5. LEASE
#18846

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
U. S.

9. WELL NO.
#2

10. FIELD OR WILDCAT NAME
Chaveroo San Andres

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Section 34, Township 7S, Range 32E

12. COUNTY OR PARISH
Roosevelt

13. STATE
New Mexico

14. API NO.
NA

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4493 GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	[ ]		[ ]
FRACTURE TREAT	[ ]		[ ]
SHOOT OR ACIDIZE	[ ]		[ ]
REPAIR WELL	[ ]		[ ]
PULL OR ALTER CASING	[ ]		[ ]
MULTIPLE COMPLETE	[ ]		[ ]
CHANGE ZONES	[ ]		[ ]
ABANDON*	[X]		[ ]
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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.)*

Temporarily abandon due to economical reasons 4/15/88

Well has tubing in hole but no rods or pump. At such time as unit is approved well will be placed back on production.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Robert R Ranch TITLE Vice-President DATE 4/28/88
Robert R. Ranch

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

APPROVED FOR 12 MONTH PERIOD
ENDING MAY 9 1989

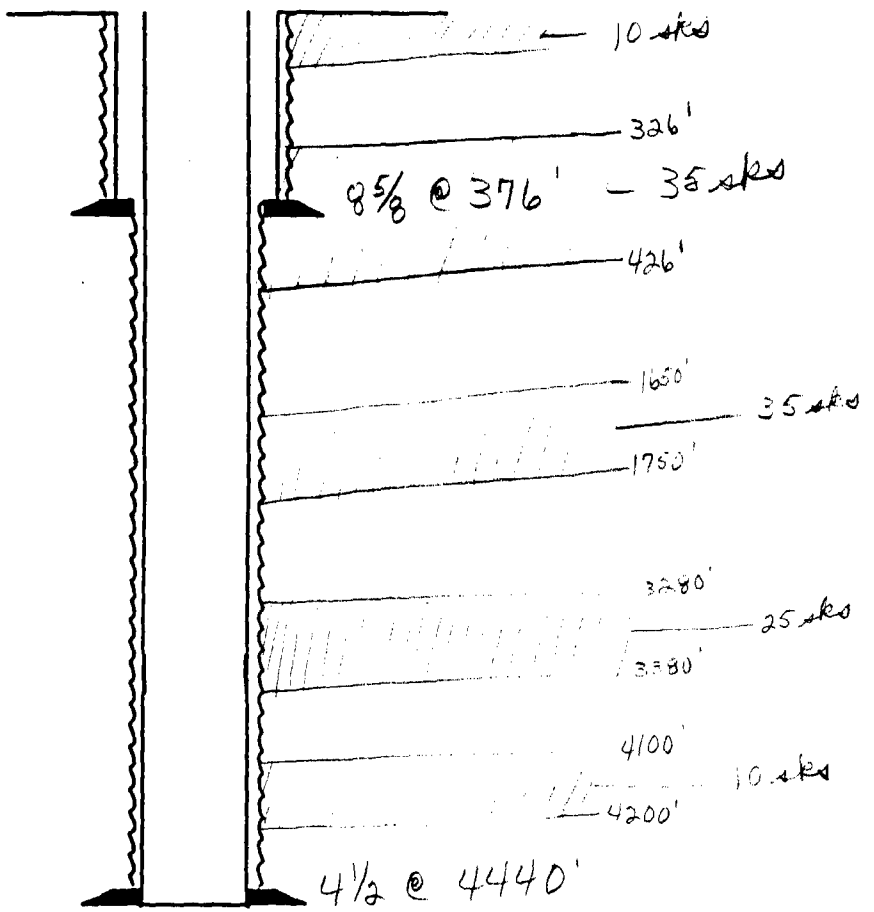
APPROVED
PETER W. CHESTER
Peter W. Chester
MAY 9 1988
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

*See Instructions on Reverse Side

J.C. Maxwell

Superior Federal # 1

P & A'd 3-3-66



CHAVES COUNTY NEW MEXICO WILDCAT

Well: J. C. MAXWELL #1 Superior-Federal Result: D&A
Loc'n: SE/part county, 18 mi N/Caprock; Sec 4-8S-32E, 660' FS&ELs Sec; 4 mi NW/Tobac-Penn Fld, 1¼ mi NW of 4186' dry hole

Spud: 1-10-66; Comp: 2-20-66; Elev: 4496' Grd; TD: 4449'
Casing: 8-5/8" 376', 4½" 4440'
Comp Info: DST 4160-4260', op 1hr, rec 480' gas & sulf wtr-cut mud, ISIP 1826#/1 hr, FP 252-298#, FSIP 894#/1 hr; DST 4260-4350', op 90 mins, rec 170' mud, 300' sli O&GCM & 90' sulf wtr, ISIP 1373#/1 hr, FP 236-343#, FSIP 1164#/1 hr, Perf 4295-4384', A/800 gals, swbd 10 BF/unreported time, w/sli SO; sqzd; Perf 4265-4316', A/2,000 gals, swbd 10 BFPH/4 hrs, no breakdown, set BP @ 4250, Perf 4203-16', A/1,000 gals, swbd dry.
Tops: (EL) Yates 2286', Queen 2982', San And 3460', San And poro 4380', File # W-7502-H, West Texas Electric Log.

The Rinehart's Oil Reports

Date: 3-16-66 Card No.: 1 NM kh

CHAVES COUNTY NEW MEXICO CHAVEROO FIELD

Well: SIETE OIL & GAS, 1 Chaveroo State "OWWO" Result: OIL DO
Loc'n. 20 mi S/Elida;1980'FNL,660'FEL Sec 4-8S-32E (Orig. Cmp. 1-2-84 thru (San Andres)Perfs 4291-4362½',OTD 4467')

NE/4

Spud:2-9-84;Comp:2-16-84;Elev:4507'Grd;TD:4467'San And
Casing:8-5/8"1808'/650sx;4½"4467'/250sx
Prod. Zone:(San And)T/Pay, Prod thru Perfs 4225-4362½'
IP:NR
Comp Info:Perf(San And) @ 4225',4225½'4227/,4228½',4229',4229½', 4231',32½,4233',4233½',4235',4236½',4237',4241',4241½',4243', 4245',4246',4247',4248',4249',4250',4251',4252',A/5000 gals
Tops EL:NR
API No:30-005-20917

Same

Petroleum Information® CORPORATION A Subsidiary of A.C. Nielsen Company

Date: 8-1-84 Card No.: 7 lp

CHAVES COUNTY NEW MEXICO CHAVEROO

Well: SIETE OIL & GAS CORP. 1 Chaveroo State Result: OIL DO
Loc'n: 20 mi S/Elida; 1980'FNL, 660'FEL of Sec 4-8S-32E

Spud:12-12-83;Comp:1-2-84;Elev:4507';TD:4467'San Andres
Casing:8-5/8"1808'/650sx
Prod Zone:(San Andres)T/Pay, Prod thru Perfs 4291-4362'
IPP:98 BOPD + 54 BW;GOR TSTM;Grav 24
Comp Info:Ran DLL,MSFL,CNL,LDT,CEL logs,No Cores or DST's, Perf(San Andres) 4291-4362-1/' w/32 shots,A/ 6000 gals(20%), Ppd 98 BO + 54 BW/24 hrs,Rig Rel. 12-21-83;C/W.Y. (Young)#5
Tops:(EL)Base Salt 2200', Yates 2310', Queen 3024', San Andres 3482'
API No:30-005-20917

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LAND OFFICE		
OPERATOR		

Well file

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease: State ☐ Fee XX

5. State Oil & Gas Lease No.

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.)

7. Unit Agreement Name

OIL WELL ☒ GAS WELL ☐ OTHER-

Name of Operator
EL RAN, INC.

8. Farm or Lease Name
Bergstrom

Address of Operator
P. O. BOX 911, LUBBOCK, TEXAS 79408

9. Well No.
1

Location of Well
UNIT LETTER H, 2200 FEET FROM THE North LINE AND 660 FEET FROM THE East LINE, SECTION 34 TOWNSHIP 7-S RANGE 32-E NMPM.

10. Field and Pool, or Wildcat
Chaveroo SA

15. Elevation (*Show whether DF, RT, GR, etc.*)
4486 KB

12. County
Roosevelt

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☐	ALTERING CASING ☐
TEMPORARILY ABANDON ☐		COMMENCE DRILLING OPNS. ☐	PLUG AND ABANDONMENT XX
PULL OR ALTER CASING ☐	CHANGE PLANS ☐	CASING TEST AND CEMENT JOB ☐	
OTHER ☐		OTHER ☐	

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.

El Ran, Inc. plugged and abandoned the above referenced well 11/09/82 using the following procedure:

1. Set CBP 4100' with 100' plug above BP
2. ~~Shoot~~ Shot 4½" off and load hole with 10# mud with 100' cement plug. Tagged plug
3. Set 100' cement plug from 1750' to 1650'.
4. Set 10' plug with marker at surface.

Perfs: 4142 - 4294

RECEIVED APR 2 2 1985

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

SIGNED [signature] TITLE Vice-President DATE 4/16/85

APPROVED BY Jackie R. Griffin TITLE OIL & GAS INSPECTOR DATE APR 1 8 1985

CONDITIONS OF APPROVAL, IF ANY:

El Ran, Inc.

1113 Main Street
LUBBOCK, TEXAS
79408

P.O. BOX 911

806/763-4091

June 9, 1988

Mr. Michael Stogner
Oil Conservation Division
New Mexico Energy & Minerals Department
P. O. Box 2088
Santa Fe, New Mexico 87501

Re: Bergstrom Lease

Dear Mr. Stogner,

In regards to the above referenced lease, our records indicate that we shot the casing off at 1875 but the 4½" casing was not free at that point. We, therefore, spotted our cement plug at that point and left the 4½" casing in the hole. The salvage valve on 4½ was not worth the pulling unit time trying to determine the free point and attempting to shoot it off again.

Thank you,

Robert R Ranck

Robert R. Ranck

Enclosure

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Form C-105
Revised 11-1-58

NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease: State ☐ Fee ☒

5. State Oil & Gas Lease No.

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ OTHER

7. Unit Agreement Name

8. Farm or Lease Name: **Bergstrom**

2. Name of Operator: **El Ran, Inc.**

9. Well No.: **#1**

3. Address of Operator: **1603 Broadway, Lubbock, Texas 79401**

10. Field and Pool, or Wildcat: **Chaveroo (SA)**

4. Location of Well: UNIT LETTER **H** LOCATED **2200** FEET FROM THE **N** LINE AND **660** FEET FROM THE **E** LINE OF SEC. **34** TWP. **7-S** RGE. **32-E** NMPM

12. County: **Roosevelt**

15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Cashinghead
1/17/80	1/24/80	4/18/80	4486 KB	4476

20. Total Depth	21. Plug Back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
4324	4322	----	⟶	0 to 4324	

24. Producing Interval(s), of this completion — Top, Bottom, Name: **4142, 4186, 4190, 4239, 4250, 4252, 4276, 4280, 4284, 4294 San Andres**

25. Was Directional Survey Made: **NO**

26. Type Electric and Other Logs Run: **Gamma Ray - Neutron**

27. Was Well Cored: **NO**

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8	23#	1700	12-3/4	550 sacks	0
4-1/2	10.5#	4324	7-7/8	175 sacks	0

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2"	4273	

31. Perforation Record (Interval, size and number): **4142 - 4294 1/2" 10 holes**

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
4142 - 4294	6000 gal 20% HCL
4142 - 4294	29,000 gal. Gelled Acid plus 49, 750# sand

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping — Size and type pump)	Well Status (Prod. or Shut-in)
4/18/80	Pumping	Prod.

Date of Test	Hours Tested	Choke Size	Prod'n. For Test Period ⟶	Oil — Bbl.	Gas — MCF	Water — Bbl.	Gas—Oil Ratio
4/18/80	24	2"		28	50	15	214

Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate ⟶	Oil — Bbl.	Gas — MCF	Water — Bbl.	Oil Gravity — API (Corr.)
----	20		28	50	15	24

34. Disposition of Gas (Sold, used for fuel, vented, etc.): **Vented (Sold in future)**

Test Witnessed By: **Donnie Sooter**

35. List of Attachments: **Logs - Hole Deviation**

36. *I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.*

SIGNED [signature] TITLE **President** DATE **April 22, 1980**

INSTRUCTIONS

This form is to be filed with the appropriate district Office of the Commission not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true vertical depths shall also be reported. For multiple completions, Items 30 through 34 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico				Northwestern New Mexico			
T. Anhy		T. Canyon		T. Ojo Alamo		T. Penn. "B"	
T. Salt		T. Strawn		T. Kirtland-Fruitland		T. Penn. "C"	
B. Salt		T. Atoka		T. Pictured Cliffs		T. Penn. "D"	
T. Yates		T. Miss		T. Cliff House		T. Leadville	
T. 7 Rivers		T. Devonian		T. Menefee		T. Madison	
T. Queen		T. Silurian		T. Point Lookout		T. Elbert	
T. Grayburg		T. Montoya		T. Mancos		T. McCracken	
T. San Andres	3438	T. Simpson		T. Gallup		T. Ignacio Qtzte	
T. Glorieta		T. McKee		Base Greenhorn		T. Granite	
T. Paddock		T. Ellenburger		T. Dakota		T.	
T. Blinebry		T. Gr. Wash		T. Morrison		T. Pie	3995
T. Tubb		T. Granite		T. Todilto		T.	
T. Drinkard		T. Delaware Sand		T. Entrada		T.	
T. Abo		T. Bone Springs		T. Wingate		T.	
T. Wolfcamp		T.		T. Chinle		T.	
T. Penn.		T.		T. Permian		T.	
T. Cisco (Bough C)		T.		T. Penn. "A"		T.	

OIL OR GAS SANDS OR ZONES

No. 1, from 4138 to 4294 No. 4, from ..... to .....

No. 2, from ..... to ..... No. 5, from ..... to .....

No. 3, from ..... to ..... No. 6, from ..... to .....

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in hole.

No. 1, from ..... to ..... feet. .....

No. 2, from ..... to ..... feet. .....

No. 3, from ..... to ..... feet. .....

No. 4, from ..... to ..... feet. .....

FORMATION RECORD (Attach additional sheets if necessary)

From	To	Thickness in Feet	Formation	From	To	Thickness in Feet	Formation
0	1700	1700	Surface, Red Sh				
1700	3438	1738	Anhy., Shale, Sand				
3438	4324	886	Dolomite, Anhy.				

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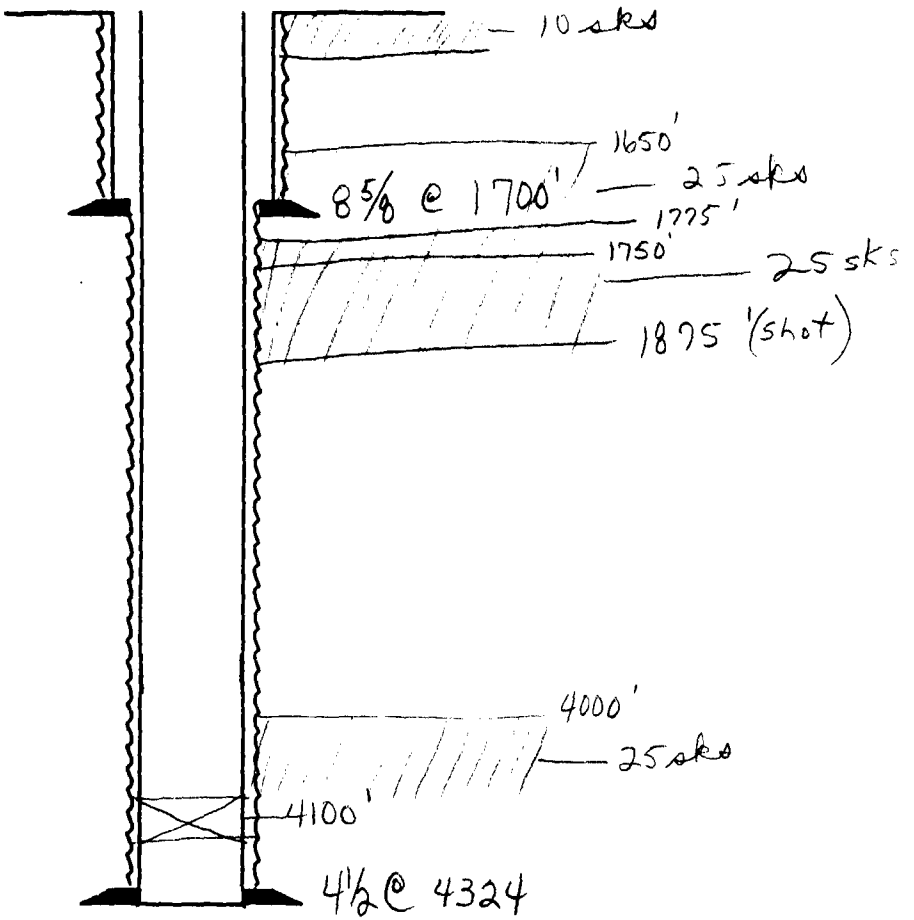
APR 23 1980

OIL CONSERVATION DIV.

El Ran, Inc.

Bergstorm # 1

P & A'd 11-9-82



ROOSEVELT COUNTY NEW MEXICO CHAVEROO

Well: BRAZOS PETROLEUM CO. (1) Hefflefinger Result: OIL DO
Loc'n: 18 mi NW/Milnesand;860'FNL,1980'FWL of Sec 35-7S-32E

Spud:12-30-83;Comp:3-8-84;Elev:4465'Grd;TD:4400'San And;PB:
4382'
Casing:8-5/8"500'/300sx;4-1/2"4400'/300sx;2-3/8"4297'
Prod. Zone:(San And)T/Pay, Prod thru Perfs 4225-4248'
IPP:15 BOPD + 6 BW;GOR 2857;Grav 23
Comp Info:ran GRNL,CCL,GRDL,PRXL,CALP,FRXL logs;No Cores or
DST's;Perf(San And) @ 4225-48'O/A,w/SPI,S/34-1/2 BF/8 hrs,A/
1000 gals,S/16 BF/8 hrs,A/5000 gals,Ppd 7 BO + 6 BW Between
#1 & #2 wells,Ppd 7-1/2 BO + 9 BW Between #1 & #2 wells,A/
5000 gals,Rig Rel 1-7-84,C/Norton #3
Tops:(EL)Rustler 1945,Salt 2065,Base Salt 2193,Yates 2275,
Seven Rivers 2375,Queen 2818,Grayburg 2951,San Andres 3433'
API No:30-041-20709

Date: 4-11-84 Card No.: 17 lp

ROOSEVELT COUNTY NEW MEXICO CHAVEROO

Well: BRAZOS PETROLEUM CO. (2) Hefflefinger Result: OIL DO
Loc'n: 18 mi NW/Milnesand;860'FNL,660'FWL of Sec 35-7S-32E

Spud:1-7-84;Comp:3-7-84;Elev:4479'Grd;TD:4400'San And;PB:4391'
Casing:8-5/8"5005'/325sx;4-1/2"4400'/1100sx;2-3/8"4368'
Prod. Zone:(San And)T/Pay, Prod thru Perfs 4231-4358'
IPP:15 BOPD + 7 BW;GOR 2733;Grav 23
Comp Info:ran GRL,CCL logs;No Cores or DST's,Perf(San And)4352-
4358'w/1 SPF,A/500 gals;Perf(San And)4231-4288',A/1000 gals,
Ppd 7-1/2 BO + 9 BW between #1 & #2 wells,Rig Rel 1-17-84;
Norton #3
Tops:(EL)San Andres 3477'
API No:30-041-20710

Date: 4-11-84 Card No.: 18 lp

ROOSEVELT COUNTY NEW MEXICO CHAVEROO (SAN AND) FIELD

Well: CHAMBERS & KENNEDY (#1) Shell-Cone-Partin Result: OIL
Loc'n: Sec 35-7S-32E; 1980' FSGELs Sec. (14) mi NW/Milnesand.

Spud: 7-12-69; Comp: 8-9-69; Elev: 4486' Grd; TD: 4436', PBTD: 4390'
Casing: 8-5/8" 401'/250 sx, 4½" 4436'/375 sx
Prod. Zone: (San And) T/Pay 4182'; Prod thru perfs 4182-4340'
IPF: 120 BO & 5 BWPD, 22/64" ch, Grav NR, GOR TSTM, TP 225#, CP 800#
Comp. Info: No cores or tests; Perf 4182', 4197', 4203', 4216', 4226', 4266', 4273', 4280', 4315' & 4340'; A/250 gals; S/7 BF (80% oil); A/1,000 gals; Frac w/40,000 gals & 60,000# sd; S/113 BLO/4 hrs; F/215 BLO & 22 BFW/22 hrs, 22/64" ch, TP 200-225#, CP 800#; C/Verna Drlg. Co.
Tops: NR

CHAVES COUNTY | NEW MEXICO | CHAVEROO FIELD

Well: MWJ PROD. CO. 1 Chaveroo State
Loc'n: 19 mi S/Elida, 330' FNL 1650' FEL Sec 2-8S-32E.

Result: OIL DO

Spud: 3-28-75; Comp: 5-22-75; Elev: 4484' grd; 4495' KB; TD: 4365'; PB: 4310'
Casing: 8 5/8" 375'/300 sx, 5½" 4365'/325 sx
Prod Zone: (San Andres) T/Pay 4287', prod thru perfs 4287-4332'
IPP: 40 BOPD + 42 BW, GOR 1285-1, Grav 22
Comp Info: Crd (San Andres) 4265-4314', rec 49', no desc; Crd (San Andres) 4314-50', rec 36', no desc; Perf (San Andres) @ 4287', 4293', 4295', 4297', 4307', 4313', 4315', 4324', 4328', 4330', 4332' w/1 SPI; P/2 BO + 20 BW/24 hrs; frac w/30,000 gals + 48,000# sd; P/40 BO + 42 BW/24 hrs. C/Sitton & Norton Drlg.
Tops: (EL) Yates 2317', Grayburg 3105', San Andres 3490'.
API No.: 30-005-20467

Petroleum Information. CORPORATION A Subsidiary of A.C. Nielsen Company

Date: 10-29-75 Card No.: 1 rm

CHAVES COUNTY | NEW MEXICO | CHAVEROO FIELD

Well: MWJ PRODUCING CO. 1 Chaveroo "B" State
Loc'n: 6 mi S & 18 mi E/Boaz, 1650' FNL 330' FEL Sec 2-8S-32E

Result: OIL DO

Spud: 11-16-75; Comp: 12-10-75; Elev: 4473' grd; TD: 4355' San And; PB: 4298'
Casing: 8 5/8" 382'/275 sx, 4 1/2" 4355'/225 sx
Prod Zone: (San And) T/Pay 4285', prod thru perfs 4285-97'
IPP: 6 BOPD + 35 BW, GOR TSTM, Grav 24
Comp Info: Perf (San And) 4285-89', 4293-97' w/1 SPF; A/1500 gals; frac w/30,000 gals & 48,000# sd; P/6 BO & 35 BW/24 hrs; C/Sitton & Norton Drlg.
Tops: (EL) Yates 2317', Grayburg 3105', San Andres 3490'
API No.: 30-005-20513

Petroleum Information. CORPORATION A Subsidiary of A.C. Nielsen Company

Date: 2-11-76 Card No.: 1 rm

CHAVES COUNTY | NEW MEXICO | CHAVEROO FIELD

Well: MWJ PRODUCING CO. 2 Chaveroo State
Loc'n: 6 mi S & 18 mi E/Boaz, 330' FNL 2310' FWL Sec 2-8S-32E.

Result: OIL DO

Spud: 11-8-75; Comp: 12-2-75; Elev: 4498' grd; TD: 4386' San Andres; PB: 4320'
Casing: 8 5/8" 368'/300 sx, 4 1/2" 4386'/325 sx
Prod Zone: (San Andres) T/Pay 4303', prod thru perfs 4303-41'
IPP: 89 BOPD + 10 BW, GOR 1112-1, Grav 23.4
Comp Info: Perf (San Andres) 4303-41' w/10 shots (OA); A/500 gals; P/89 BO + 10 BW/24 hrs, GOR 1112-1, Grav 23.4; C/Sitton & Norton Drlg.
Tops: (EL) Anhydrite 1927', Yates 2330', Queen 3010', Grayburg 3186', San Andres 3510'
API No.: 30-005-20512

Will file.

Form 5-330
(Rev. 5-63)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE* (See other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

5. LEASE DESIGNATION AND SERIAL NO.: NM 18846

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: U. S.

9. WELL NO.: #4

10. FIELD AND POOL, OR WILDCAT: Chaveroo (SA)

11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA: Sec. 34, T7S, R32E

1a. TYPE OF WELL: OIL WELL [XX] GAS WELL [ ] DRY [ ] Other

b. TYPE OF COMPLETION: NEW WELL [XX] WORK OVER [ ] DEEP-EN [ ] PLUG BACK [ ] DIFF. RESVR. [ ] Other

2. NAME OF OPERATOR: El Ran, Inc.

3. ADDRESS OF OPERATOR: 1603 Broadway, Lubbock, Texas 79401

4. LOCATION OF WELL (*Report location clearly and in accordance with any State requirements*)*
At surface: 990'FWL' & 1650' FSL
At top prod. interval reported below
At total depth: SAME

14. PERMIT NO.	DATE ISSUED	12. COUNTY OR PARISH	13. STATE
VERBAL	Aug. 18,1980	Roosevelt	New Mexico

15. DATE SPUDDED	16. DATE T.D. REACHED	17. DATE COMPL. (*Ready to prod.*)	18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*	19. ELEV. CASINGHEAD
9/15/80	9/23/80	10/ 7/80	4501.4 GRR	4502.4'

20. TOTAL DEPTH, MD & TVD	21. PLUG, BACK T.D., MD & TVD	22. IF MULTIPLE COMPL., HOW MANY*	23. INTERVALS DRILLED BY	ROTARY TOOLS	CABLE TOOLS
4362 KB	4360 KB	N/A	→	0-4362	

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*: 4209' to 4288' San Andres

25. WAS DIRECTIONAL SURVEY MADE: NO

26. TYPE ELECTRIC AND OTHER LOGS RUN: Comp. Neutron Density, Gama Ray

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"	23#	1712'	12 1/4	575 sacks Halliburton Lite	49
4 1/2"	10.5#	4362'	7 7/8	175 50/50 POS Class C	--

29. LINER RECORD

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

30. TUBING RECORD

SIZE	DEPTH SET (MD)	PACKER SET (MD)
2 3/8	4292	N/A

31. PERFORATION RECORD (*Interval, size and number*)
4209, 4216, 4218, 4222, 4234, 4236,
4262, 4264, 4276, 4278, 4283, 4286,
4288 - 13 Locations 1/2"
2 shots each location

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

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
4209-4236	3000 gal. 20% LST Acid
4262-4288	3000 gal. 20% LST Acit

33.* PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (*Flowing, gas lift, pumping—size and type of pump*)	WELL STATUS (*Producing or shut-in*)
10/ 7/80	Pump	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD →	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
10/ 8/80	24	2"		45	678	22	150

FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE →	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)
N/A	200		45	678	22	26.1

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

TEST WITNESSED BY: Donnie Sooter

35. LIST OF ATTACHMENTS: Neutron Log - Deviation Survey

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

SIGNED _____ TITLE Vice-President DATE 10/13/80

*(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:
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	3450	4362	Dolomite

38. GEOLOGIC MARKERS

NAME	TOP	
	MEAS. DEPTH	TRUE VERT. DEPTH
Yates	2496	-------
Pie	4037	-------

★ U.S. GOVERNMENT PRINTING OFFICE: 1974-780-680/VIII-238

Well File

Form 9-331
Dec. 1973

OPERATOR'S COPY

Form Approved.
Budget Bureau No. 42-R1424

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

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 Form 9-331-C for such proposals.)

1. oil well [XX] gas well [ ] other

2. NAME OF OPERATOR
EL RAN, INC.

3. ADDRESS OF OPERATOR
P. O. BOX 911 LUBBOCK, TEXAS 79408

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: Unit Letter L, 1650 FSL & 990 FWL
AT TOP PROD. INTERVAL: Same
AT TOTAL DEPTH: 4262KB

5. LEASE
NM 18846

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
U. S.

9. WELL NO.
4

10. FIELD OR WILDCAT NAME
CHAVEROO - (SA)

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec. 34, T-7S, R32E

12. COUNTY OR PARISH
Roosevelt

13. STATE
New Mexico

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
4501.4 GR

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF	[ ]		[ ]
FRACTURE TREAT	[ ]		[ ]
SHOOT OR ACIDIZE	[ ]		[ ]
REPAIR WELL	[ ]		[ ]
PULL OR ALTER CASING	[ ]		[ ]
MULTIPLE COMPLETE	[ ]		[ ]
CHANGE ZONES	[ ]		[ ]
ABANDON*	[ ]		[XX]
(other)			

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. 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.)*

Set CIBP at 4159' and spot 100' plug on top
Shot CSG off at 1698' and pulled same
Loaded hole with 9½# mud and spotted 100' plug from 2150' to 1950' tag plug.
Loaded hole with 9½# mud
Spot 100' plug from 1762' to 1662', loaded remainder of hole with 9½# mud and placed 10' surface plug.
Set marker and back ripped location and road.
Location is ready for final inspection at this time.

Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED W. W. Ranch Jr. TITLE Vice-President DATE September 28, 1984

(This space for Federal or State office use)

APPROVED BY PETER W. CHESTER TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

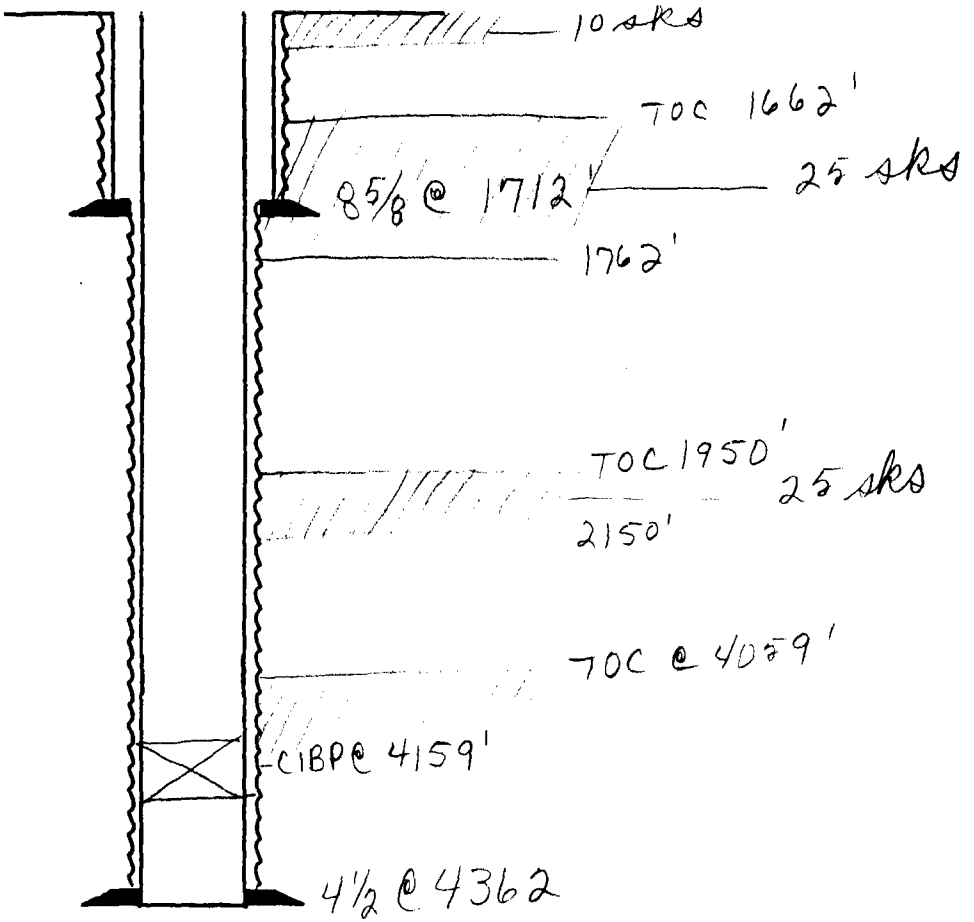
APPROVED
APR 25 1986
Peter W. Chester
BUREAU OF LAND MANAGEMENT
ROSWELL RESOURCE AREA

*See Instructions on Reverse Side

ElRan, Inc.

U.S. #4

P:A'd 9-28-84



El Ran, Inc.
1113 Main Street
Lubbock, Texas
79408

P.O. Box 911

806 763-4091

March 30, 1988

Case 9357

Hinkle, Cox, Eaton, Coffield & Hensley
P. O. Box 2068
Santa Fe, New Mexico 87504

Attn: Mr. Owen M. Lopez

Re: El Ran, Inc.
Chaveroo San Andres Unit

Dear Owen,

Enclosed you will find documentations in relation to the above referenced unit. Please incorporate this with your file information and advise us of what additional material you will need.

Sincerely,

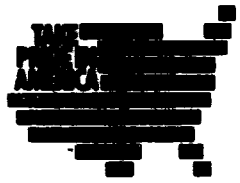
El Ran, Inc.

Bob Ranck

Robert R. Ranck

Enclosure

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
Roswell District Office
P.O. Box 1397
Roswell, New Mexico 88201-1397



IN REPLY
REFER TO:

Chaveroo San Andres Unit
3180 (065)

MAR 0 1 1988

El Ran, Inc.
1113 Main Street, P. O. Box 911
Lubbock, TX 79408

Case 9357

Gentlemen:

Your application of February 1, 1988, filed with the BLM requests the designation of the Chaveroo San Andres Unit area, embracing 1120.00 acres, more or less, Chaves and Roosevelt Counties, New Mexico, as logically subject to exploration and development under the unitization provisions of the Mineral Leasing Act as amended, for the San Andres formation.

Pursuant to unit plan regulations 43 CFR 3180, the land requested as outlined on your plat marked El Ran, Inc., Chaveroo San Andres Unit, Chaves and Roosevelt Counties, New Mexico, is hereby designated as a logical unit area.

The unit agreement submitted for the area designated should provide for a well to test the San Andres Formation. Your proposed use of the Form of Agreement for Unproved Areas will be accepted with the modifications requested in your application and the corrections applied as requested by the Bureau of Land Management and shown in red on the enclosed Form of Agreement and Exhibits 'A" and "B".

If conditions are such that further modification of said standard form is deemed necessary, three copies of the proposed modifications with appropriate justification must be submitted to this office for preliminary approval.

In the absence of any type of land requiring special provisions or any objections not now apparent, a duly executed agreement identical with said form, modified as outlined above, will be approved if submitted in approvable status within a reasonable period of time. However, notice is hereby given that the right is reserved to deny approval of any executed agreement submitted which, in our opinion, does not have the full commitment of sufficient lands to afford effective control of operations in the unit area.

When the executed agreement is transmitted to the BLM for approval, include the latest status of all acreage. In preparation of Exhibits "A" and "B", follow closely the format of the sample exhibits attached to the reprint of the aforementioned form.

Inasmuch as this unit agreement involves Fee land, we are sending a copy of the letter to the NMOCD.

Sincerely,

Joe G. Lara
Assistant District Manager,
Minerals

Enclosures

HINKLE, COX, EATON, COFFIELD & HENSLEY

ATTORNEYS AT LAW
218 MONTEZUMA
POST OFFICE BOX 2068
SANTA FE, NEW MEXICO 87504-2068
(505) 982-4554

2800 CLAYDESTA NATIONAL BANK BUILDING
POST OFFICE BOX 3580
MIDLAND, TEXAS 79702
(915) 683-4691

1700 TEXAS AMERICAN BANK BUILDING
POST OFFICE BOX 9238
AMARILLO, TEXAS 79105
(806) 372-5569

700 UNITED BANK PLAZA
POST OFFICE BOX 10
ROSWELL, NEW MEXICO 88202
(505) 622-6510

LEWIS C. COX
PAUL W. EATON
CONRAD E. COFFIELD
HAROLD L. HENSLEY, JR.
STUART D. SHANOR
C. D. MARTIN
PAUL J. KELLY, JR.
OWEN M. LOPEZ
DOUGLAS L. LUNSFORD
T. CALDER EZZELL, JR.
WILLIAM B. BURFORD*
RICHARD E. OLSON
RICHARD A. SIMMS
RICHARD R. WILFONG*
STEVEN D. ARNOLD
JAMES J. WECHSLER
NANCY S. CUSACK
JEFFREY L. FORNACIARI
JEFFREY D. HEWETT*
JAMES BRUCE
JERRY F. SHACKELFORD*
JEFFREY W. HELLBERG*
ALBERT L. PITTS
THOMAS M. HNASKO
JOHN C. CHAMBERS*
THOMAS D. HAINES, JR.
FRANKLIN H. McCALLUM*
GREGORY J. NIBERT
DAVID T. MARKETTE*
FRED W. SCHWENDIMANN
JAMES R. McADAMS*
JAMES M. HUDSON
MACDONNELL GORDON
REBECCA NICHOLS JOHNSON
PAUL R. NEWTON
WILLIAM P. JOHNSON
KAREN M. RICHARDSON*
ELLEN S. CASEY
JAMES C. BROCKMANN
SUSAN L. NIESER*
MARK A. WILSON*
GREGORY S. WHEELER
ANDREW J. CLOUTIER*

OF COUNSEL
O. M. CALHOUN
MACK EASLEY
JOE W. WOOD
STEPHEN L. ELLIOTT

CLARENCE E. HINKLE (1901-1985)
W. E. BONDURANT, JR. (1913-1973)
ROY C. SNODGRASS, JR. (1915-1987)

*NOT LICENSED IN NEW MEXICO

May 9, 1988

RECEIVED
MAY 10 1988
OIL CONSERVATION DIVISION

Michael E. Stogner
New Mexico Oil Conservation Division
State Land Office Building
Santa Fe, New Mexico 87501

HAND DELIVERED

Re: Case Nos. 92357 and 9358, the Applications of El Ran, Inc. for unitization and water flood

Dear Mike:

Enclosed are the following:

1. Schematics of all plugged and abandoned wells in the subject area.

2. Amended well data sheets which indicate the top of cement on each well within the area of review.

3. Written comments of our engineering witness regarding pool history and development, geological and reservoir data, and secondary reserves.

Your prompt attention to this matter is appreciated. Please let me know if there is anything else I can provide you in these cases.

Very truly yours,

HINKLE, COX, EATON,
COFFIELD & HENSLEY

James Bruce

JGB:jr
Enclosures

ITEM 1: Chaveroo San Andres Pool History and Development.

The first production from the San Andres reservoir in the area occurred in December 1977 upon the completion of the El Ran, Inc., Byron Well No. 1. The well potentialed for 35 barrels of oil per day. The well was completed in the P-1 and P-2 zones and encountered the top of the P-1 pay at a subsea depth of +302 feet. The subsequent development program resulted in the completion of 27 wells in the subject area on 40 acre spacing. With the exception of the Carroll Well No. 1, which is completed in the P-2 zone only, all wells have been completed in the San Andres P-1 and the San Andres P-2 reservoirs, and have been commingled since completion.

The area of interest herein includes the Byron, Carroll, Dachner, Federal, Griffin, Roberts, Sarah, and U.S. leases owned by El Ran, Inc. The cumulative oil and gas production from the aforementioned properties as of April 1, 1988 was 975,933 stock tank barrels and 1,308,350 MCF, respectively. The remaining primary reserves are projected to be 2,659 stock tank barrels of oil and 50,000 MCF of gas for the 8/8ths working interest based on economic limits. Ultimate primary reserves would therefore be 978,592 stock tank barrels of oil and 1,358,350 MCF of gas from the study area.

ITEM 2: Geological and Reservoir Data of the Pool.

The San Andres reservoir is characteristically located by a distinct marker commonly referred to as the "pi" marker. In most instances the top of the San Andres P-1 zone can be found 150 feet below the "pi" marker.

The reservoir rock occurs at approximately 330 feet above sea level with an average gross thickness of 48 feet inclusive of both the P-1 and P-2 zones. There is no obvious oil-water contact in the productive zone. The reservoir boundaries are not clearly defined in the study area but have been estimated as depicted herein on the Gross Pay Isopachous Map (Exhibit No. 6) by completion reports. Since no obvious oil-water contact exists in the study area, we are of the opinion that stratigraphic trapping has restricted the reservoir limits.

The reservoir characteristics are tabulated as follows:

Average Porosity, Percent of Bulk Volume	
P-1 Zone	8.6%
P-2 Zone	12.2%
Connate Water Saturation, Percent of Pore Space	
P-1 Zone	17.1%
P-2 Zone	20.3%
Residual Oil Saturation, Percent of Pore Space	25.0%
Original Reservoir Pressure (Est.), psi	1,800
Original Reservoir Temperature, °F	105
Initial Oil Formation Volume Factor, RB/STB	1.16
Current Oil Formation Volume Factor, RB/STB	1.03
Oil Gravity, API	15
Gas Gravity	0.80

We are of the opinion that the San Andres P-1 zone consists primarily of a gas cap, as indicated from completion reports. The available suite of open hole logs does not definitely prove this; however, the various completion reports as well as our

recovery calculations indicate the zone to be primarily gas produtive. For this reason, no secondary reserves have been included for the San Andres P-1 zone.

The geological data from which we have determined the geology is included herein on the "Well Records" and "Geological Data" tabulations submitted as Exhibit No. 7.

The gross pay isopachous maps were planimetered over the entire sutdy ara, yielding gross reservoir volumes of 39,182 acre-feet in the P-1 zone and 37,523 acre-feet in the P-2 zone. As previously mentioned, these reservoir volumes represent gross payable log data in determining the reservoir volumes; however, the specific suite of logs that were run do not distinguish between typical San Andres pay and anhydrite. As anhydrite is not hydrocarbon productive, the previously mentioned reservoir volumes are considered gross volumes. Net reservoir volumes were determined by assuming a 15 percent primary recovery or 57.6 stock tank barrels per acre-foot. Dividing the primary recovery of 57.6 stock tank barrels per acre-foot into the ultimate primary recovery of 978,592 stock tank barrels of oil results in a net pay volume of 17,443 acre-feet and a gross to net adjustment of .46. As previously mentioned, we are of the opinion that the San Andres P-1 zone is primarily gas productive. It follows that the net pay volume of 17,443 acre-feet can be attributed to the San Andres P-2 zone.

ITEM 3: Secondary Reserves.

From resistivity and porosity log data and knowledge of the area, the original oil in place was calculated to be 384.2 stock

tank barrels per acre-foot. Subtracting the ultimate primary recovery of 57.6 stock tank barrels per acre-foot from the original oil in place of 384.2 stock tank barrels per acre-foot results in 326.6 stock tank barrels per acre-foot remaining after primary depletion. The residual oil remaining in the reservoir after waterflooding was estimated to be 25 percent of the pore volume, or 96.1 stock tank barrels per acre-foot, leaving 230.5 stock tank barrels per acre-foot of mobile oil that would be recoverable with a 100 percent volumetric sweep efficiency. We have estimated the volumetric sweep efficiency for the selected injection pattern to be 60 percent of the floodable volume. Secondary recoverabe oil reserves are therefore estimated to be 0.60 x 230.5 stock tank barrels per acre-foot, or 138.3 stock tank barrels per acre-foot. The gross pay isopachous map from the P-2 zone was planimetered within the estimated floodable limits yielding a gross floodable reservoir volume of 18,552 acre-feet. Applying the gross to net adjustment factor of 0.46 results in a net floodable reservoir volume of 8,534 acre-feet. Again, as the P-1 zone is indicated to be primarily gas productive and therefore not floodable, all secondary recovery calculations pertain to the P-2 zone only. Applying the expected secondary recovery of 138.3 stock tank barrels per acre-foot to the flocdable volume of 8,534 acre-feet results in secondary oil reserves of 938,610 stock tank barrels of oil, or 14.0 percent of the original oil in place. The ultimate primary and secondary recovery is estimated to be 1,914,543 stock tank barrels of oil,

or 28.6 percent of the original oil in place. The secondary to primary recovery ratio is calculated at 1.04:1.

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87504
(505) 827-5800

June 6, 1988

El Ran, Inc.
1113 Main Street
Lubbock, TX 79408

Attention: Robert R. Ranck

RE: Division Case No. 9358

Dear Mr. Ranck:

Per my telephone conversation with you on Friday, June 3, 1988 and with your father on Monday, June 6, 1988, concerning the subject waterflood application, please submit a detailed plugging procedure and downhole schematic for your Byron Well No. 1 located in Unit P of Section 34, Township 7 South, Range 32 East and for the Pomeroy Smith & H.T. Hillard Griffin Well No. 1 located in Unit D of Section 10, Township 8 South, Range 32 East.

Our records indicate that your U.S. Well No. 2 located in Unit K of Section 34, Township 7 South, Range 32 East is "Temporarily Abandoned." Submit additional information on how this well was temporarily abandoned and its present status. Also our plugging records indicated that the 4-1/2 inch casing was shut in on your Bergstrom Well No. 1 located in Unit H of Section 34; however, there is no record of the amount of casing retrieved, please submit this information.

Please submit a downhole schematic for the J.C. Maxwell plugged and abandoned Superior Federal Well No. 1 located in Unit P of Section 4.

For the following three wells, please submit completion, casing and cementing data:

Brisco Oil Company
Hefflefinger Well No. 2
D-35-7S-32E;

El Ran, Inc. U.S. Well No. 4,
L-34-7S-32E;

MWJ Producing Co. Chaveroo State Well No. 1,
B-2-8S-32E.

Please forward this information so that a determination can be made on your application.

Sincerely,

Michael E. Stogner
Hearing Officer

MES/ag

cc: William J. LeMay
Jim Bruce

STATE OF NEW MEXICO

ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

GARREY CARRUTHERS
GOVERNOR

July 5, 1988

POST OFFICE BOX 2088
STATE LAND OFFICE BUILDING
SANTA FE, NEW MEXICO 87501
(505) 827-5800

Re: CASE NO. 9358
ORDER NO. R-7044-A

Applicant:

Mi Pan, Inc.

Mr. James Bruce
Hinkle, Cox, Eaton,
Coffield & Hensley
Attorneys at Law
Post Office Box 2068
Santa Fe, New Mexico
Dear Sir:

Enclosed herewith are two copies of the above-referenced Division order recently entered in the subject case.

Sincerely,

Florene Davidson

FLORENE DAVIDSON
OC Staff Specialist

Copy of order also sent to:

Hobbs OCD x
Artesia OCD x
Aztec OCD

Other

El Ran, Inc.
1113 Main Street
Lubbock, Texas
79408

P O Box 911

805 763-4091

May 17, 1988

Michael E. Stogner
Oil Conservation Division
P.O. Box 2088
Santa Fe, New Mexico 87504

RE: Case #9358 - El Ran, Inc's
Application for Waterflood
Roosevelt & Chaves
Counties, New Mexico

Dear Mr. Stogner,

In reference to the above application to waterflood, El Ran, Inc. used the following formula to determine cement tops:

# of sacks x 1.32 x 4.3899/4 1/2" or 5.7719/5 1/2" = cmt footage

The number of sacks were acquired from information filed with the Oil Conservation Commission. In regards to the schematics that were sent, they were the originals so any copies sent would not be as good as what you already have.

Please contact me if you need any additional information.

Sincerely,

EL RAN, INC.

Robert R. Ranck

Robert R. Ranck
Vice-President

RRR/km

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO

27 April 1988

EXAMINER HEARING

IN THE MATTER OF:

Application of El Ran, Inc. for a unit agreement, Chaves and Roosevelt Counties, New Mexico.	CASE 9357
and	
Application of El Ran, Inc, for the reclassification of a pressure maintenance project to a waterflood project and for waterflood expansion, Chaves and Roosevelt Counties, New Mexico.	CASE 9358

BEFORE: Michael E. Stogner, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Division: Charles E. Roybal
Attorney at Law
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

For the Applicant: James G. Bruce
Attorney at Law
HINKLE LAW FIRM
P. O. Box 2068
Santa Fe, New Mexico 87504-2068

I N D E X

E X H I B I T S

MR. STOGNER: We'll go back to the first page now and call Case Number 9357.

MR. ROYBAL: Case 9357. Application of El Ran, Inc., for unit agreement, Chaves and Roosevelt Counties, New Mexico.

MR. STOGNER: Call for appearances.

MR. BRUCE: Mr. Examiner, my name is Jim Bruce from the Hinkle Law Firm in Santa Fe, representing the applicant.

I have two witnesses to be sworn and I would request that Case 9358 be consolidated for hearing with this case.

MR. STOGNER: Are there any objections? We'll also at this time call Case Number 9358.

MR. ROYBAL: Case 9358. Application of El Ran, Inc., for the reclassification of a pressure maintenance project to a waterflood project, and for waterflood expansion of Chaves and Roosevelt Counties, New Mexico.

MR. STOGNER: Call for appearances in this matter.

MR. BRUCE: Jim Bruce again appearing for the applicant.

MR. STOGNER: Are there any other appearances in either one of these cases today?

There being none, Mr. Bruce, will you have your witnesses please stand to be sworn at this time?

(Witnesses sworn.)

ROBERT RANCK,

being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. BRUCE:

Q Mr. Ranck, would you please state your full name and city of residence?

A My name is Robert Ranck from Lubbock, Texas.

Q And what is your occupation and who are employed by?

A I'm employed by El Ran, Incorporated. I'm a partner in El Ran and Vice President.

Q Have you previously testified before the OCD?

A No, I have not.

Q Would you please briefly discuss your employment background?

A I've been an independent oil and gas operator for about 15 years now and all in El Ran.

Q And does El Ran operate in southeast New Mexico?

A Yes. We operate in southeast New Mexico and west Texas.

Q And were you in charge of the land matters for Case Numbers 9357 and 9358?

A Yes, I was.

MR. BRUCE: Mr. Examiner, are the witness' credentials acceptable?

MR. STOGNER: Will Mr. Ranck be testifying on land matters?

MR. BRUCE: Yes, sir.

MR. STOGNER: Okay. Mr. Ranck's qualifications are so accepted.

Q Mr. Ranck, would you briefly state what El Ran seeks by its applications in Case Numbers 9357 and 9358?

A In Case 9357 El Ran has applied for unitization of a portion of the Chaveroo-San Andres Unit -- Pool, underlying 1120 acres of Federal and fee land, comprised of the east half southwest quarter and the southeast

quarter of the Section 30 -- Section 34, and the southwest quarter of 35, Township 7 South, Range 32 East, Roosevelt County, and all of Section 3, the north half northwest quarter of Section 10 in 8 South, 32 East, Chaves County.

El Ran seeks to unitize this area for the purpose of establishing a secondary recovery waterflood project which is the subject of Case 9358.

Q Would you please refer to Exhibit Number One and describe its contents, please?

A Okay. Exhibit One is a land plat which outlines the proposed unit area and identifies the separate tracts which comprise the unit area. The tracts are formed according to common mineral ownership.

There are nine tracts in the unit area and El Ran operates all nine tracts.

All the working interest owners in the field have consented to El Ran operating the unit.

Q Would you please describe what the unitized formation is?

A The unitized formation is the San Andres formation underlying the unit area with the vertical limits found in the interval from 4169 to 4276 feet in El Ran's Roberts No. 1 Well, located in Unit B of Section 3, Township 8 South, 32 East, Chaves County.

The formation includes both P-1 and P-2

San Andres zones. The unitized formation will include all subsurface points throughout the unit area correlative to this depth.

Q Would you please give a brief description of the pool's history?

A The pool was discovered in 1977 by El Ran and in '82 El Ran applied for a waterflood project over a portion of the pool. By Order No. R-7044 the OCD approved a pressure maintenance project covering the south half of 34, 7 South, 32 East, and the north half of Section 3, 8 South, 32 East.

El Ran has conducted operations under this order but due to continued depletion of the -- of primary production, El Ran believes a waterflood project should be instituted over a larger area to extend the productive life of this portion of the pool and recover additional reserves.

Q Would you please refer to Exhibit Number Two and describe the unit agreement briefly?

A Exhibit Number Two is a copy of the unit agreement for the proposed Chaveroo-San Andres Unit. The unit agreement was drafted based on other similar agreements which have previously been approvd by the Federal government and the Oil Conservation Commission.

The unit agreement describes the unit

area, the unitizied formation, the unitized substances, including all oil and gas produced in the unitized formation; however, even though the small amounts of gas may be recovered, the secondary project is aimed primarily at recovering additional oil.

The designated unit operator is El Ran, Incorporated, and the unit agreement provides for a method of removal of the unit operator.

The agreement also provides for expansion of the unit area.

Q Would you please now discuss Exhibit Number Three briefly?

A Exhibit Three is a copy of the unit operating agreement for the proposed unit area. It sets forth the authorities and duties of the unit operator as well as apportioning of expenses by and between the working interest owners.

Q Would you please refer to Exhibit Number Four and Exhibit Five and describe tract ownership and how you determined the names of these interest owners?

A Okay. Exhibit Four is a summary, a tract-by-tract listing of working interest owners for the 9 tracts, and then page -- it also includes royalty, a summary of royalty owners, also.

Q How many royalty owners and overriding

royalty owners are there?

A 53 royalty owners and overriding royalty.

Q And how many working interest owners?

A 36 working interest owners.

Q Now, Exhibit Number Five is a summary of -- what is the approximate numer of working interest and royalty interest owners who have at this time approved the --

A We have 100 percent ratification of the unit operating agreement and the unit agreement, and of the unit agreement we have 85 percent of the royalty interest owners.

Q Would you please briefly describe your attempts to obtain the voluntary commitment of the interest owners?

A Okay. We started in -- after we got preliminary approval from the BLM on our unit agreement and unit operating agreement, we started March 1st of this year. We've sent out three letters to the royalty interest owners. The only ones that have not responded are in estates that have not been probated yet on the royalty interest owners.

Q So the probate has slowed down any potential approval of the unit?

A Yes, that's correct.

Q In your opinion have you made a good faith

effort to secure voluntary unitization of the portion of the pool being unitized?

A Yes, we have.

Q And you indicated that the federal government has preliminarily approved the waterflood and unitization?

A We have preliminary approval from the BLM. That's clear.

Q Where will water for the proposed waterflood be obtained?

A We have made an agreement with Murphy Operating from water -- come from fresh water wells, approximately six miles away.

MR. STOGNER: Mr. Bruce, before we continue on with the questioning, we need to get some things lined up.

I understood by your advertisement and several conversations with you that this was not a statutory unit agreement and it sound like you're giving testimony as such today.

MR. BRUCE: No, it's not --

MR. STOGNER: What is the nature of this unit?

MR. BRUCE: It's a voluntary unit.

MR. STOGNER: It is a voluntary, okay, because you -- your line of questioning sounded like --

MR. BRUCE: Oh, I'm just covering all the bases, Mr. Examiner.

MR. STOGNER: Oh. Okay. This line of questioning that you're now, are you still on land matters?

MR. BRUCE: Yeah, we're basically done.

MR. STOGNER: Well, okay, why don't you continue with your questioning, then.

MR. BRUCE: Okay.

A The water will come from some water wells, 6 South, 32 East, Section 25; 7 South, 32, Section 3.

Q In your opinion will the granting of this -- of these two applications be in the interest of conservation and the prevention of waste?

A I believe so, yes.

Q And were Exhibits One througyh Five prepared by you or under your direction?

A Yes, they were.

MR. BRUCE: At this time I move the admission of Exhibits One through Five, Mr. Examiner.

MR. STOGNER: Exhibits One

through Five will be admitted into evidence at this time.

CROSS EXAMINATION

BY MR. STOGNER:

Q Okay, do I understand that this unit is just for the San Andres formation on this, is that correct?

A That's correct.

Q Now when I look at Exhibit Number One I show the cross hatched area a little bit different than what we were advertised and also that Exhibit One is a little bit different from the portion of your unit agreement that contains a map as Exhibit Number Two that I was referring to. It contains the other map.

A Okay, the --

Q Do you want to straighten me out on that?

A Okay. We didn't include the -- are you talking about the difference between the pressure maintenance system and the --

Q Okay, well, maybe you ought to explain what number -- Exhibit Number One is for me again. What is that cross hatched area -- or with the cross hatched boundary on Exhibit One?

A The cross hatched was the -- the pressure maintenance system.

Q Okay, I'm sorry.

A And then --

Q And that's the pressure maintenance system that was approved by Order Number R- --

MR. BRUCE: 7044.

Q Yeah.

A And then the dark outline is the unit area, that we're going to unitize.

Q And that is the same as was advertised. All righty.

A Yes.

Q Thank you for straightening me out on that.

Okay, you said that you have 85 percent of your royalty interest covered. Which -- could you direct me to a listing of those that have't agreed?

A On the U.S. lease there's an override.

Q And where are you looking at now?

MR. BRUCE: It would be on Exhibit Four, Mr. Examiner.

MR. STOGNER: Exhibit Four. Is there any particular page we need to go to?

A Probably -- probably, I guess -- you want to see it by tract or do you want to see it by --

Q Well, what would be easier?

A Probably by tract.

Q Okay, well, let's refer to Exhibit Number Five. Tract I, everybody has ratified, both working interest and -- and royalty, is that correct?

A Yes.

Q Okay, and Tract Numbaer I-A, I read that everybody has agreed.

A That's correct.

Q Okay, there's no problem with Tract No. 1-A. Let's see, you show 62 percent of the royalty interest owners have agreed, so that means there's what, 38 percent still outstanding?

A Of course that's an override by Celsius Energy.

Q Celsius Energy.

A And there's really no -- we're working with them and they just needed some more clarification on --

Q Okay.

A -- the unit agreement.

Q Now Tract No. 3,, who hasn't ratified that yet?

A TCN, although we're not sure if they're still in business or not, and then Durwood Terrill, he has died and his interest is in probate.

Q Okay, Tract 4?

A It's 100 percent working interest. It's

the same interest, Durwood Terrill, his interest is in probate.

Q Now Tract 5, it doesn't look like any of the royalty interest owners have agreed.

A Okay, the Griffin lease, that's correct.

Q And who owns that 100 percent of the royalty interest?

A The Griffin family, which consists of Mary Griffin is the mother, and then her offspring, the Mitchells, and they haven't decided what to do so we would like to, of course, unitize the working interest and we'll just pay them actual production off the lease.

Q Okay, Tract 6?

A 100 percent of the working interest and we haven't heard back from these two interest owners.

Q And who are they?

A Cherie Summers Walcot and Theodore Summers.

And we've heard back from their sister, Ms. Patricia Sanchez, so -- but we haven't been able to track these other two down.

Q Okay, how about Tract 7?

A Okay, Tract 7 is Durwood Terrill again, estate is in probate, and that's the only interest that's outstanding.

Q And Tract 8.

A Okay, Eight. There are two interest owners, Laura Lodewick and her brother, Richard Lodewick.

Q How do you spell that?

A L-O-D-E-W-I-C-K. And we just haven't heard back from them. We've got -- one of their sisters has returned the ratification but that's the only one.

Q And is there a Tract 9 or what's on the second page? That's a summary of the total.

A Yeah, that's a summary.

Q How long have you been in communication with the working interest owners that haven't participated yet?

A We have 100 percent working interest.

Q How about the royalty interest?

A Since, probably the first letters went out March 1st. We had approval from the BLM on February 28th, I believe, or 29th.

MR. STOGNER: I have no further questions of this witness at this time.

Mr. Bruce?

MR. BRUCE: Nothing further with this witness, Mr. Examiner.

JERRY ILSENG,

being called as a witness and being duly sworn upon his oath, testified as follows, to-wit:

DIRECT EXAMINATION

BY MR. BRUCE:

Q Would you please state your full name and city of residence?

A My name is Jerry Ilseng. I'm from Lubbock, Texas.

Q And who are you employed by and in what capacity?

A I'm employed by El Ran, Incorporated, and I'm the engineering manager.

Q All right. Have you previously testified before the OCD?

A No, I have not.

Q Would you please state your educational and work experience.

A I've got a Bachelor of Science degree in natural gas engineering from Texas A & I University, located in Kingville, Texas; graduated in 1981.

I worked for Amoco Production Company in Levelland, Texas, for 5-1/2 years. At Amoco I was the pro-

ject engineer over three major waterfloods, consisting of over 1000 injection wells and 1000 producing wells.

I left Amoco and was a petroleum engineer consultant in Texas for over 15 months before I started work for El Ran, Incorporated.

Q And are you familiar with the engineering matters related to the proposed unitization and waterflood?

A Yes, I am.

MR. BRUCE: Mr. Examiner, are the witness' credentials acceptable?

MR. STOGNER: Mr. Ilseng's qualifications are so accepted.

Q Would you please briefly describe the pool's production history?

A The first production from the San Andres reservoir in the study area occurred in December of 1977 on -- upon the completion of the El Ran, Incorporated, Byron Well No. 1.

The well potentialed for 35 barrels of oil per day. The well was completed in the P-1 and the P-2 zones and encountered the top of the P-1 pay at a subsea depth of +302 feet.

The subsequent development program has resulted in the completion of 27 wells on approximately 40-acre spacing.

With the exception of the Carroll Well No. 1, which is completed in the P-2 zone only, all wells have been completed in the San Andres P-1 and the San Andres P-2 reservoirs, and have been commingled since completion.

The area of interest herein referred to, you know. the study area, includes Byron, Carroll, Dachner, Federal, Griffin, Roberts, Sarah, U.S., and the Yeager leases, owned by El Ran, Incorporated.

The cumulative oil and gas production for the properties, as of April 1st, 1988, was 975,933 stock tank barrels adn 1.3-million MCF of gas.

The remaining primary reserves are projected to be 2,659 stock tank barrels of oil and 50,000 MCF of gas for the 8/8ths working interest based on the economic limits.

Ultimate primary reserves would therefore be 978,592 stock tank barrels of oil and 1.3 MCF of gas from the area.

MR. STOGNER: Now, where are those numbers at? You're going a little fast for me now; those numbers that you just give us, the total?

A Okay.

MR. BRUCE: I don't think we've submitted an exhibit yet.

MR. STOGNER: Oh, okay, no won-

der I couldn't find them, then.

Okay, while we're here, what -- what are those totals, primaries, again?

A Primary, sir, was 975,933 barrels -- stock tank barrels of oil.

And the gas was 1,308,350 MCF of gas. That's as of April 1st, 1988.

MR. STOGNER: Okay, you may continue, Mr. Bruce.

Q Referring to Exhibit Number Six, Mr. Ilseng, would you discuss the geological and reservoir data?

A The San Andres reservoir is characteristically located by a distinct marker commonly known as the "pi" marker. In most instances the top of the San Andres P-1 zone can be found 150 feet below this -- this "pi" marker.

The reservoir rock occurs at approximately 330 feet above sea level with an average gross thickness of 48 feet, inclusive of both the P-1 and the P-2 zones. There is no obvious oil/water contact in the productive zone. The reservoir boundaries are not clearly defined in the study area but have been estimated as depicted herein on the gross pay isopachous map in your Exhibit Six, analyzing permeability and porosity trends at wells by completion reports.

Since no obvious oil/water contact exists in the study area, we're of the opinion that stratigraphic trapping has restricted the reservoir limits.

The reservoir characteristics are as follows: The average porosity for the P-1 zone is 8.6 percent porosity; P-2 zone has an average porosity of 12.2.

Connate water saturation for the P-1 zone averages 17.1; P-2 zone, 20.3.

The residual oil saturation, percent of pore space, is 25 percent.

Original reservoir pressure, which was estimated, was around 1800 psi.

Original reservoir temperature was 105 degrees Fahrenheit, with a current oil formation volume factor of 1.03 with an oil gravity, API of 15.

The gas gravity, 0.8.

We are of the opinion that the San Andres P-1 zone consists primarily of a gas cap as indicated from completion reports.

The availability of a suite of the open hole logs does not definitely prove this; however, the various completion reports, as well as our recovery calculations, indicate the zone to be primarily gas productive.

For this reason, no secondary reserves have been included for the San Andres P-1 zone.

The geological data from which we have determined geological structure and the isopach map is included herein on the well records and a geological data tabulation on Exhibit Seven.

Okay, the gross pay isopachous maps were planimetered over the entire study area, yielding gross reservoir volumes of 39,182 acre feet in the P-1 zone and 37,523 acre feet in the P-2 zone. As previously mentioned these reservoir volumes represent gross payable log data in determining the reservoir volumes; however, the specific suite of logs that were run do not distinguish between the typical San Andres pay and anhydrite.

As anhydrite is not hydrocarbon productive, the previously mentioned reservoir volumes are considered gross volumes.

Net reservoir volumes were determined by assuming a 14 percent primary recovery or 57.6 stock tank barrels per acre-foot. Dividing hte primary ultimate recovery of 978,592 stock tank barrels of oil results in a net pay volume of 17,443 acre-feet and a gross to net adjustment of .46.

It follows that the net pay volume of 17,443 acre-feet can be attributed to the San Andres P-2 zone.

Q Does the proposed unit area include the

entire Chaveroo-San Andres Pool?

A No, it does not, because some of the offset operators do not want to come into this unit.

Q And was this portion of the pool defined by drilling one well on approximately every 40 acres?

A Yes, it was.

Q Would you please now discuss the primary reserves in the unit?

A Okay. Primary reserves. Recovery calculations reveal that normal primary recovery from the San Andres reservoir producing as a result of the solution gas drive mechanism should be approximately 14 percent of the original oil in place.

As previously discussed earlier, this primary recovery figure was estimate volumetrically assuming normal reservoir conditions. From extrapolation of production decline trend to economic limits we have estimated future reserve to be 2,659 stock tank barrels of oil and 50,000 MCF of gas.

Assuming original solution gas/oil ratio of 200 cubic feet per barrel, we have estimated the ultimate solution gas recovery from the P-2 zone to be 1,358,350 MCF of gas, leaving 303,861 MCF from the P-1 gas cap.

Q And is this portion of the pool in an advanced state of depletion insofar as primary production is

concerned?

A Yes. In the current state this reservoir is depleted insofar as primary production is concerned.

Q As part of the -- you engineering study, were secondary reserves calculated?

A Yes, they were. From resistivity and porosity log data and knowledge of the area, the original oil in place was calculated to be 384.2 stock tank barrels per acre-foot.

The residual oil remaining in the reservoir after waterflooding was to be 25 percent of the pore volume, or 96.1 stock tank barrels per acre-foot, leaving 230.5 stock tank barrels per acre-foot of mobile oil that would be recoverable with 100 percent volume sweep efficiency.

We have estimated the volumetric sweep efficiency for the selected injection pattern to be around 60 percent of the floodable volume.

Secondary recoverable oil reserves are therefor estimated to be .6 times 230.5 stock tank barrels, or 138.3 stock tank barrels per acre-foot.

As you can see, the gross pay isopachous map from the P-2 zone was planimetered within the estimated floodable limits yielding a gross floodable reservoir volume of 18,552 acre-feet.

Applying the gross to net adjustment factor of .46 results in a net floodable reservoir volume of 8,534 acre-feet.

Again, as I said, the P-1 zone is to be primary gas productive and therefor not floodable. All secondary reserve calculations are for the P-2 only.

The secondary to primary recovery ratio is estimmated to be 1.04-to-1.

Q With a waterflood project instituted on this portion of the pool, what does El Ran calculate the extended life of the field will be and the approximate recoverable reserves?

A The extended life of the field will be around 14 years and we estimate from the secondary reserves around 938,610 barrels of oil.

Q Referring back to Exhibit Number One, would you discuss the waterflood pattern?

A From Exhibit Number One the waterflood pattern will be on a 40-acre 5-spot.

Q And how many injection wells will there be?

A We'll have a total of 13 injection wells, plus the U.S. 1 would be 14, which is our re-injection well.

Q The U.S. No. 1 is already injecting water?

A That's correct.

Q And would you please discuss the production system?

A The production system will all go back to the Roberts 1 lease. It will be the central battery for this unit.

Q Does El Ran request that the order in this matter contain an administrative procedure for approving unorthodox well locations and for changing producing wells to injection wells?

A Yes.

Q Will you please discuss the capital requirements for the unitization and installation of the waterflood?

A The capital requirements will consist of a water supply, which we have to run six miles, 225,000, with a plant injection system and converting -- converting the wells and squeezing off the P-1 amd reperforating five estimated wells, we total out to be $1,041,450.

Q Based on these expenditures, would you briefly discuss the economics of the waterflood and refer to Exhibit Number Nine?

A Exhibit Nine is the economics for the waterflood.

As you can see, from the capital cost, as

I said earlier, $1,000,000, we should see a cumulative discount net revenue return at 10 percent of $5,435,296, that's at 10 percent.

Q And in your opinion will the waterflood operations result in increased recovery of more oil from the pool than would otherwise be recovered?

A Yes, it will.

Q On what basis are the unitization parameters and tract participations calculated?

A They are calculated using ultimate primary of 80 percent and area -- acreage of 20 percent.

Q And based upon the primary production from these tracts do you think that is a fair basis for unitization?

A Yes.

Q Referring to Exhibit Number Ten, would you briefly discuss the waterflood application, which is Case 9358?

A As I said, we will be -- from the C-108 form, we will be converting 13 wells to injection with one already converted, the U.S. No. 1.

Also, in this information is a wellbore sketch describing a typical San Andres well located in this waterflood. As you can see, we've got surface casing set approximately 1728, 8-5/8ths inch casing.

We have a production string that consists of 4-1/2 inch casing and the average total depth on these wells is around 4324. Injection interval would be around 4176 to 4294.

Q Does the C-108 contain the data sheets on all wells within the area of review?

A Yes, it does.

Q And are there any wells within that area requiring any remedial action before the waterflood is instituted?

A No, no wells will need any type of remedial work before installation of the waterflood.

Q Would you discuss the injection rates, please?

A All right. The average daily injection rate will be around 300 barrels of water injected per day with a maximum daily injection rate of 350 barrels of water injected per day.

The system will be a closed system and the proposed average injection pressure will be around 1000 psi with a maximum injection pressure of 1200 psi.

Currently there are two fresh water source wells located in this unit and they are used for livestock watering only and they're also attached.

Q And are there any problems with the com-

patibility of the injection water with the formation water?

A No, there's not any type of compatibility problems. There's waterfloods that exist in eastern New Mexico and west Texas that do combine these two waters, fresh water and San Andres water.

Q And what project allowable does El Ran request?

A In accordance with OCD Rule 701-F-3, El Ran, Incoporated requests that each producing well will be granted an allowable equal to its ability to produce.

Q And in your opinion will the granting of the applications in Case Numbers 9357 and 9358 prevent waste and protect correlative rights?

A Yes.

Q And were Exhibits Six through Ten prepared by you or under your direction or compiled from company records?

A Yes, it was.

MR. BRUCE: Mr. Examiner, I move the admission of Exhibits Six through Ten.

MR. STOGNER: Exhibits Six through Seven will be admitted into evidence at this time.

I'm sorry, Six through Thirteen will be admitted in --

MR. BRUCE: Ten.

MR. STOGNER: Ten through Thirteen, whatever.

CROSS EXAMINATION

BY MR. STOGNER:

Q Mr. Ilseng, how many wells are there in the half mile radius, the area of review, I should say?

A Okay, from Form C- --

Q Are they listed in that second part?

A Yes, they are, in Form C-01, right after the well -- well completions. Then you have them.

Q I don't see any cement calculations on your production string. Am I missing them? Did you not include them?

A No, sir, they're not included in this Form C-0108. We just have wherever casing is set at.

Q Okay, would you provide that information for me?

A Yes, I can.

Q Okay. Let's -- how many plugged and abandoned wells do we have in that area of review?

A Plugged and abandoned wells, I can count those. There are a total of seven wells.

Q And where did you get the plugging information on those wells?

A I got those plugging things from OCD.

Q Okay. Would you please provide me, also, subsequent to this hearing, a schematic of the plugging the wells, detailed information as provided by Roman Numeral VI of C-108, and also would you provide the correct information as provided by Part 3-A on those wells within the half mile radius?

A Yes, sir.

Q Now you're seeking 1000 psi injection pressure, is that correct?

A That's correct.

Q Do you have any tests to show that that will not -- that that pressure will not frac the formation?

A At the time being we don't, just based on just some waterfloods around the general area.

We'd say the maximum injection pressure would be around 1200.

Q But you have no information to show that the 1200 psi can sufficiently be injected into this formation without fracing it.

Are you aware of our procedure of .2 psi per foot maximum injection pressure --

A Yeah.

Q -- and limit?

A Yeah, uh-huh.

Q Then why are you seeking 1200 at ths time without that information?

A That would just be a maximum. First of all, we just want to --

Q Let me rephrase myself. What's the average depth of this formation?

A Average depth of producing formation will be, as I said, a depth of around 4167.

Q Okay, and when I multiply that by .2, correct me if I'm wrong, 833.4, to be exact. There again I'm asking you if you know that our policy is .2 psi per foot of depth maximum pressure, until such time as you can provide us with some tests, why are you asking for 1200?

The best we can do at this time without the information would be to limit the injection at .2 psi until you provied it, and it --

A Okay.

Q -- will be an administrative procedure and which I think should be able to cover you on that.

A Okay.

Q Now at the beginning of your testimony you were reading off a bunch of numbers pretty quick. Where were you getting that information from?

A That was based on the secondary number

based volumetric calculations from log data.

Q Did you do those calculations?

A Yes, I did.

Q Okay.

MR. STOGNER: Mr. Bruce, I'm going to ask you to probably submit that data to me so I'll have it --

MR. BRUCE: Sure.

MR. STOGNER: -- handy and I can be able to look at it.

MR. BRUCE: Sure.

MR. STOGNER: And neeedless to say, I wasn't able to comprehend all those numbers.

MR. BRUCE: I'll send it to you today.

MR. STOGNER: Okay. I have no further questions of this witness at this time.

Are there any other questions of Mr. Ilseng?

If not, he may be excused.

Mr. Bruce, do you have anything further?

MR. BRUCE: No, sir.

MR. STOGNER: Does anybody else have anything further in Case Number 9357?

Mr. Bruce, I'll leave the record open pending the additional information. I believe there was three things I was asking for, the cement information on all the wells; the schematic on the P & A'd wells; and then the --

MR. BRUCE: The volumetric data.

MR. STOGNER: Yes. Mr. Bruce, if you want to, if you'd just copy that stuff that he read today, I'll take that (inauddible.)

MR. BRUCE: Sure.

MR. STOGNER: Okay, that's all we have on these two cases.

We'll take about a fifteen minute recess at this time.

(Hearing concluded.)

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division (Commission) was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case Nos. 9357 and 9358 heard by me on 27 April 1988.

, Examiner
Oil Conservation Division

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date APRIL 27, 1988 Time: 8:15 A.M.

NAME	REPRESENTING	LOCATION
Bob Hulen	Byram	Santa Fe
W T Kellahin	Kellahin Kellahin & Aubrey	Santa Fe
Robert Ranck	EL Ran Inc	Lubbock
Jerry Ising	EL Ran Inc	Lubbock
William W. Cline	Marsh Operating Company	Amarillo
Phil Moore	Marsh Operating Company	Amarillo, Tx.
Scott Hall	Campbell & Black	SF
[illegible]	[illegible]	Midland Texas
Ken Gray	Pennzoil Exploration Inc.	" "
Dean Boundy	" " "	" "
Frey Rad	" " "	" "
Jim Rogers	Hanley Petroleum Inc	Midland, Tx
Brett Bracken	"	"
L.D. Robbins	"	"
John H Beaird	Anadarko Petroleum	Houston, Tx
John D. Lowery	"	Midland Tx
Tommy W Thompson	Anadarko Petroleum	Midland, Tx
Bill Duncan	Exxon Corp	" "
[illegible]	[illegible]	[illegible]

NEW MEXICO OIL CONSERVATION COMMISSION

EXAMINER HEARING

SANTA FE, NEW MEXICO

Hearing Date APRIL 27, 1988 Time: 8:15 A.M.

NAME	REPRESENTING	LOCATION
Jay C. Groseclose	NM Interstate Stream Commission	Santa Fe

STATE OF NEW MEXICO
ENERGY, MINERALS, AND NATURAL RESOURCES DEPARTMENT
OIL CONSERVATION DIVISION
STATE LAND OFFICE BLDG.
SANTA FE, NEW MEXICO

11 May 1988

EXAMINER HEARING

IN THE MATTER OF:

Application of El Ran, Inc. for the reclassification of a pressure maintenance project to a waterflood project and for waterflood expansion, Chaves and Roosevelt Counties, New Mexico. CASE 9358

BEFORE: David R. Catanach, Examiner

TRANSCRIPT OF HEARING

A P P E A R A N C E S

For the Division: Charles E. Roybal
Attorney at Law
Legal Counsel to the Division
State Land Office Bldg.
Santa Fe, New Mexico 87501

MR. CATANACH: Call next Case 9358, in the matter of El Ran, Inc., for the reclassification of a pressure maintenance project to a waterflood project and for waterflood expansion, Chaves ad Roosevelt Counties, New Mexico.

This case was heard on April 27th.

Is there anyone here for additional testimony in this matter?

This case will be taken under advisement.

(Hearing concluded.)

C E R T I F I C A T E

I, SALLY W. BOYD, C.S.R., DO HEREBY CERTIFY that the foregoing Transcript of Hearing before the Oil Conservation Division (Commission) was reported by me; that the said transcript is a full, true, and correct record of the hearing, prepared by me to the best of my ability.

Sally W. Boyd CSR

I do hereby certify that the foregoing is a complete record of the proceedings in the Examiner hearing of Case No. 9358, heard by me on May 11, 1988.

David R. Catanach, Examiner
Oil Conservation Division