

1 - KEYS FEDERAL

990' FWL 330 FWL
SEC. 33 - T. 6S. - R. 26E.

11" hole
8 3/8" casing
cement to
surface

103'

6 3/4" hole

4 1/2" casing
cmt. W/ 500x.

maximum TOC
≈ 500'

955'

1013'

Bopts. 830'-930'

Blaugeter 975'

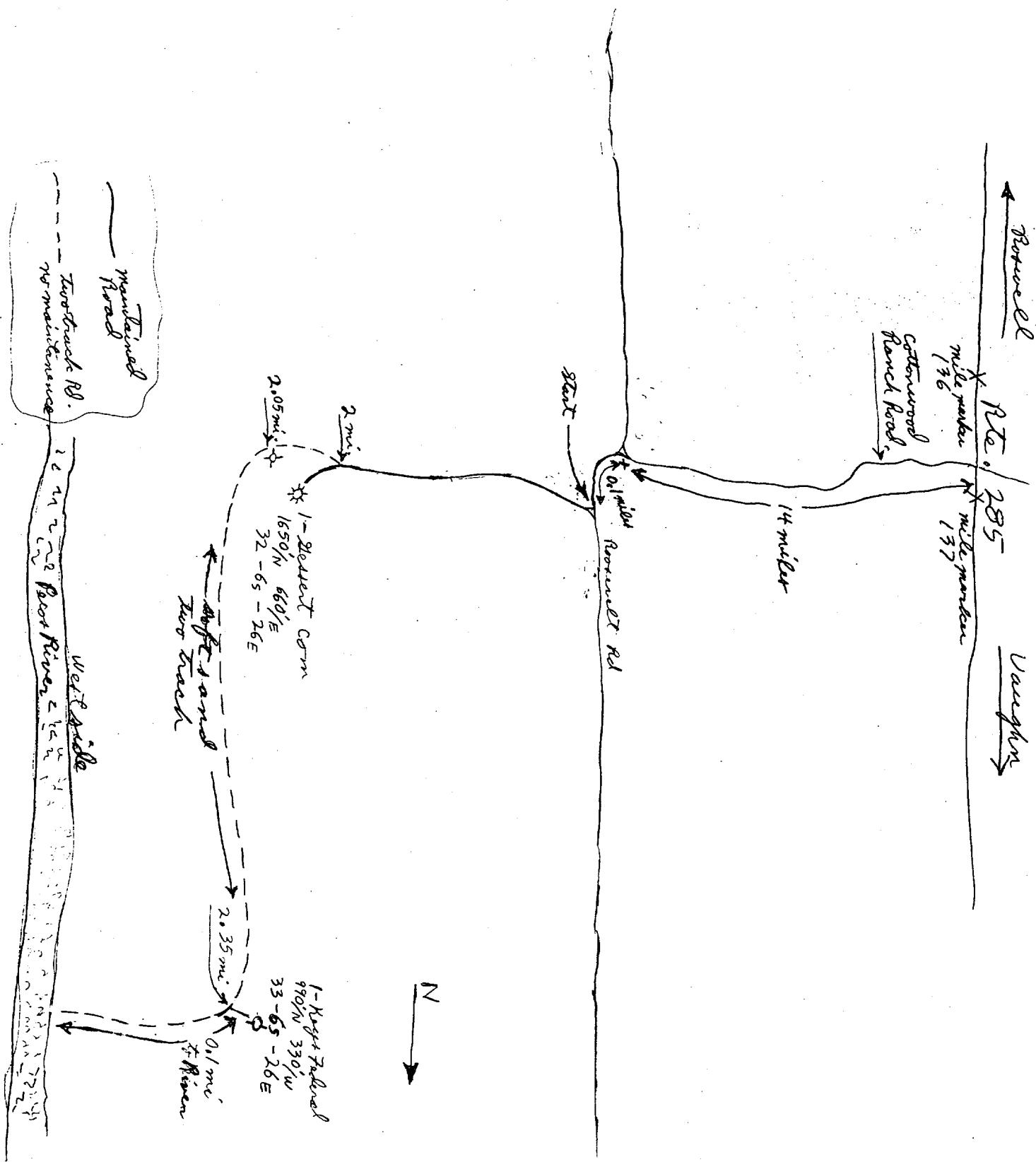
San Andres 522'

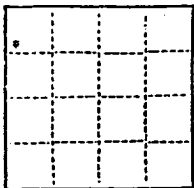
John W. Charles
1/19/89

FILL FROM TOP OF
PERF. ISOLATION
PLUG TO SURFACE
WITH CEMENT.

← PLUG WITH A
CIBP at 780' + 50' cmt.
OR
CEMENT PLUG

FROM PBTD (APPROX. 950',
TO 780', TAG PLUG.





UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY
CONSERVATION DIVISION

INDIVIDUAL WELL RECORD

Sec. 33
T. 6 S
R. 26 E
N.M.P. Mer.
Ref. No. 18

PUBLIC LAND:

Date November 2, 1970

Land office New Mexico State New Mexico
Serial No. 022685-A EXP 11-66 County Chaves
Lessee Dr. Sam G. Dunn Field Undesignated
Operator DR. SAM G. DUNN District Artesia
Well No. 1-KEYS FEDERAL Subdivision NW $\frac{1}{4}$ NW $\frac{1}{4}$
Location 990' from the north line and 330' from the west line of the section
Drilling approved June 3, 1964 Well elevation 3609 GL feet
Drilling commenced June 13, 1964 Total depth 1014 feet
Drilling ceased Sept. 16, 1964 Initial production _____
Completed for production _____, 19____ Gravity A. P. I. _____
Abandonment approved _____, 19____ Initial R. P. _____

Geologic Formations		Productive Horizons		
Surface	Lowest tested	Name	Depths	Contents
Permian	Permian			

WELL STATUS

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
1964						Drg.			DSI			

REMARKS San Andres 522 Log
Slaughter 975 "

COUNTY CHAVES FIELD LINGS-SA STATE NM

OPR DUNN, DR. SAM G. MAP

1 Keys

Sec. 33, T-6-S, R-26-E CO-ORD

990' FNL, 330' FWL of Sec. MC 10420

Spd 6-12-64 CLASS E

Cmp 3-14-66

FORMATION	DATUM	FORMATION	DATUM
CSG & SX - TUBING			
8 5/8" 102' 50			
4 1/2" 955' 50			
LOGS EL GR RA IND HC A			
TD 1014'			

TEMPORARILY ABANDONED

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CONT. DATE PROP DEPTH 1200' TYPE

F.R. 6-4-64
PD 1200' - SA

6-8-64 TD 102', WOC.

6-15-64 Drlg. 390'.

6-22-64 TD 1014', prep to perf.
Cored 974-1014', rec 40' dolo., w/scatt
poro & bldg wtr.

6-29-64 TD 1014', PBD 955', prep to perf.

7-6-64 TD 1014', PBD 955', prep to perf.

7-13-64 TD 1014', PBD 955', prep to perf.

7-20-64 TD 1014', PBD 955', prep to perf.

7-27-64 TD 1014', PBD 955', prep to perf.

8-3-64 TD 1014', PBD 955', prep to perf.

8-17-64 TD 1014', PBD 955', prep to perf.

8-31-64 TD 1014', PBD 955', prep to perf.

CHAVES Linda-San Andres NM Sec. 33-6S-26E
DUNN, DR. SAM C., #1 Keys Page #2

9-8-64 TD 1014', PBD 955', prep to perf.
9-14-64 TD 1014', PBD 955', prep to perf.
9-21-64 TD 1014', PBD 955', SI.
Perf 831-835', 872-878', 901-904',
914-919', 926-930' W/1 SPF
Ac (831-930') 500 gals.
Frac (831-930') 15,000 gals 10% acid +
11,000# sd.
Swbd 50 BAW, w/NS of oil in two days.
9-28-64 TD 1014', PBD 955', SI.
10-5-64 TD 1014', PBD 955', SI.
10-12-64 TD 1014', PBD 955', SI.
10-19-64 TD 1014', PBD 955', SI.
10-26-64 TD 1014', PBD 955', SI.
11-2-64 TD 1014', PBD 955', SI.
11-9-64 TD 1014', PBD 955', SI.

11-16-64 TD 1014', PBD 955', SI.
11-23-64 TD 1014', PBD 955', tstg on pump.
11-30-64 TD 1014', PBD 955', tstg on pump.
12-7-64 TD 1014', PBD 955', SI.
12-14-64 TD 1014', PBD 955', SI.
12-21-64 TD 1014', PBD 955', SI.
LCG TOPS: San Andres 922', Slaughter
975'.
(Final posting until status changes)
3-14-66 TD 1014', PBD 955', TEMPORARILY ABANDONED.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

7. LEASE DESIGNATION AND SERIAL NO.

NM-022655-1

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or plug back to a different formation.

OIL WELL ☒ GAS WELL ☐ OTHER ☐

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Keys Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

Sec 33-T 6S-R 26E

12. COUNTY OR PARISH

13. STATE

Chaves

N.M.

2. NAME OF OPERATOR

Dr. Sam G. Dunn

3. ADDRESS OF OPERATOR

1312 Main Street, Lubbock, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.)

At surface

990 ft. from North line & 330 ft. from West line, Sec. 33, T 6S, R 26E, NMMP

14. PERMIT NO.

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

3609 GR

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) ☐

PULL OR ALTER CASING ☐

MULTIPLE COMPLETION ☐

ABANDON* ☐

CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☒

SHOOTING OR ACIDIZING ☒

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT* ☐

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

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.) *

9-9-64

Ran Gamma Ray & Neutron logs, perforated with Tornada Jets, 831-835 & 872-878 & 901-904 & 914-919 & 926-930 with 1 shot per foot.

9-16-64

Treated with 15000 gals. 10% acid water & 11000# sand. Swabbed well 2 days, recovered 50 bbls. of acid water, no show of oil. Well shut in.

NOTED

NOV - 9 1964

SHOGER

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

SIGNED *Sam G. Dunn*

TITLE **Agent**

DATE **Oct. 26, 1964**

(This space for Federal or State office use)

APPROVED BY _____

CONDITIONS OF APPROVAL, IF ANY: _____

TITLE _____

NOV 2 1964
U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO

*See Instructions on Reverse Side

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424

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" for such proposals.

3. LEASE DESIGNATION AND SERIAL NO.

U. M. OF 265-4

8. INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

5. FARM OR LEASE NAME

Keys

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

33-T6S-R26E

1. TYPE OF WELL
X OIL
WELL
AS WELL
OTHER

2. NAME OF OPERATOR

Dr. Sam G. Dunn

3. ADDRESS OF OPERATOR

Box 452, Artesia, New Mexico

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements. See also space 17 below.)

At surface

990 ft. from North line and 330 ft. from West line
Sec. 33, T.6S, R26E, NMPM

14. PERMIT NO.

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

3609 GL

12. COUNTY OR PARISH

Chaves

13. STATE

N. M.

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

PULL OR ALTER CASING

FRACURE TREAT

MULTIPLE COMPLETE

SHOOT OR ACIDIZE

ABANDON*

REPAIR WELL

CHANGE PLANS

(Other)

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

Oil string

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

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.)*

6-19-64 Drilled 6-3/4" hole to a depth of 1013 with rotary rig. Ran 955 ft., new 4-1/2" pipe, cementing with 50 sacks.



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

SIGNED Pat Thompson

TITLE Agent

DATE June 30, 1964

(This space for Federal or State office use)

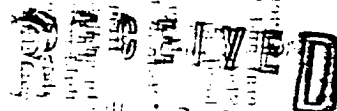
APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPL
(Other instructions
verse side)

TE-
re

Form approved.
Budget Bureau No. 42-R1424.

3. LEASE DESIGNATION AND SERIAL NO.

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

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—" for such proposals.)

OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Dr. Sam G. Dunn

3. ADDRESS OF OPERATOR

1312 Main, Lubbock, Texas

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

Unit "I", 990 ft. from North line and 330 ft. from
West line of Sec. 33, Twp. 6 S., R26E, NMPM

14. PERMIT NO.

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

3609 GL

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Keys

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Undesignated

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

33-T6S-R26E, NMPM

12. COUNTY OR PARISH 13. STATE

Chaves

N. M.

16.

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

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

PULL OR ALTER CASING ☐

FRACTURE TREAT ☐

MULTIPLE COMPLETE ☐

SHOOT OR ACIDIZE ☐

ABANDON* ☐

REPAIR WELL ☐

CHANGE PLANS ☐

(Other) ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☒

REPAIRING WELL ☐

FRACTURE TREATMENT ☐

ALTERING CASING ☐

SHOOTING OR ACIDIZING ☐

ABANDONMENT* ☐

(Other) ☐

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

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 perti-
nent to this work.) *

6-13-64 Spudded

6-14-64 Set 103 ft. of 8-5/8" surface pipe and cemented with 50 sac.
Circulated.

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

SIGNED

Pete Thompson

TITLE

Agent

DATE

June 18, 1964

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

U.S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICO
JUN 18 1964

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			3. LEASE DESIGNATION AND SERIAL NO. NM 022685-A	
b. TYPE OF WELL OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Dr. Sam G. Dunn			7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 1312 Main, Lubbock, Texas			8. FARM OR LEASE NAME Keys	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.) At surface Unit "A", 990 ft. from North line and 330 ft. from West line of Sec. 33, T6S, R26E. At proposed prod. zone Slaughter San Andres			9. WELL NO. 1	
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*			10. FIELD AND POOL, OR WILDCAT Undesignated	
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drilg. line, if any)			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA 33-T6S-R26E, NMPM	
16. NO. OF ACRES IN LEASE			12. COUNTY OR PARISH Chaves	
17. NO. OF ACRES ASSIGNED TO THIS WELL 20 40			13. STATE N.M.	
18. DISTANCE FROM PROPOSED* LOCATION TO NEAREST WELL, DRILLING COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.			19. PROPOSED DEPTH 1200	
20. ROTARY OR CABLE TOOLS			21. APPROX. DATE WORK WILL START* May 26, 1964	
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 3609 GL			22. APPROX. DATE WORK WILL START*	

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
11"	8-5/8"	28#	100'	50 sax
6-3/4"	4-1/2"	9.5#	TD	75 sax

We propose to drill an 11" hole to 100' and set 8-5/8" surface pipe, used, cement with 50 sax and circulate, ~~and~~ and let set 24 hours. We propose to drill to an approximate depth of 1200'. There will be a Gamma Ray Neutron run and the pay section will be cored, and if the zone appears to be of commercial quality, 4-1/2" 9.5# new pipe will be run to TD, cemented with 75 sax and perforated, and treated.

RECEIVED

JUN - 2 1964

U. S. GEOLOGICAL SURVEY
ROSWELL, NEW MEXICOCp. by Lessee -
- 2552 N.W. bond

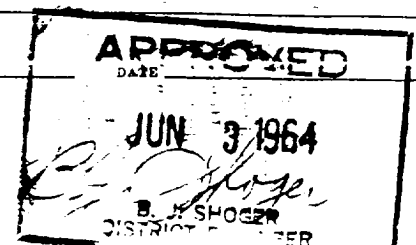
IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer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

24. SIGNED Pat. L. Morrison TITLE Agent DATE May 25, 1964
(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

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

*See Instructions On Reverse Side



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U.S.G.S.	
LAND OFFICE	
TRANSPORTER	OIL GAS
PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT
 SEE INSTRUCTIONS FOR COMPLETING THIS FORM ON THE REVERSE SIDE

FORM C-128
 Revised 5/1/57

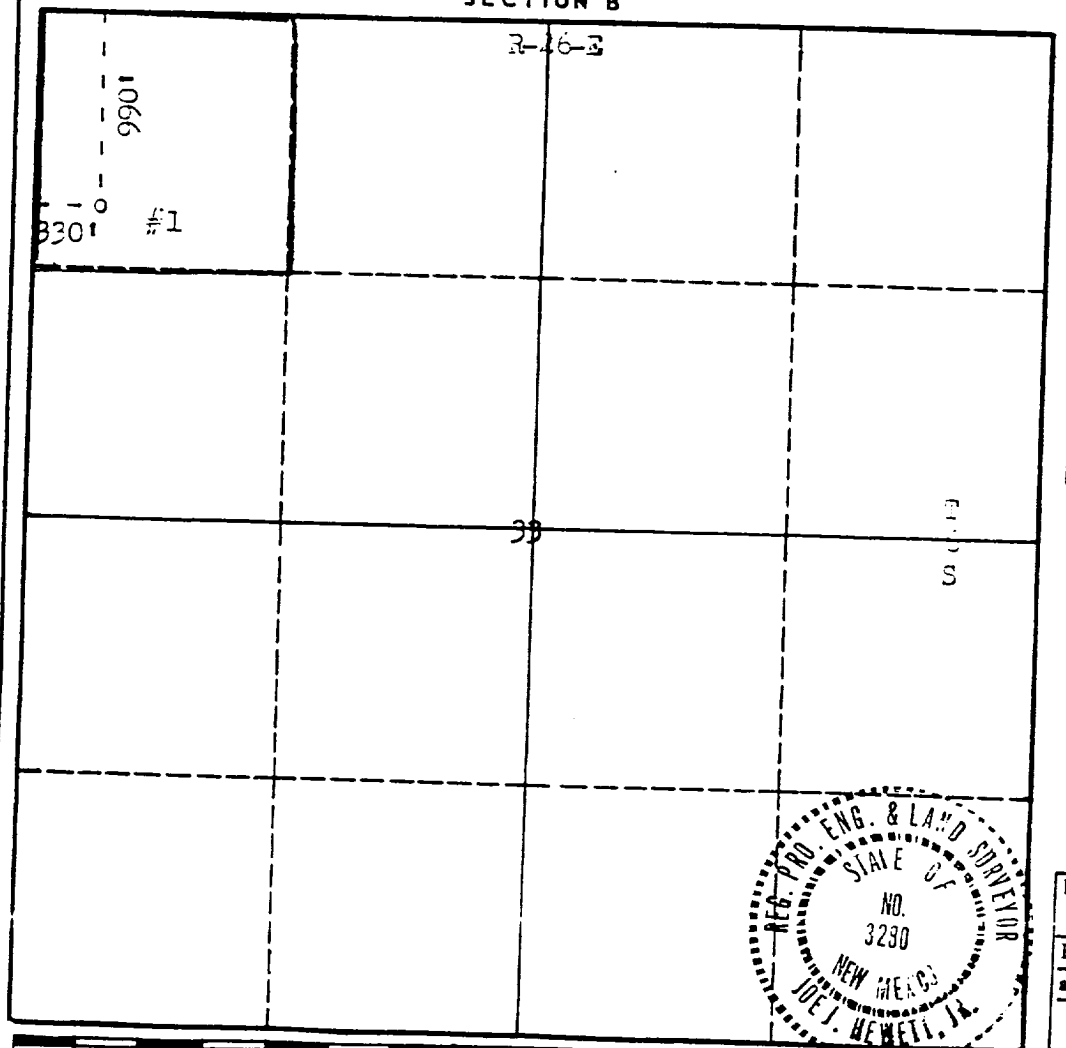
SECTION A

Operator <u>Dr. Sam E. Dunn</u>			Lease <u>Key</u>		Well No. <u>I</u>
Unit Letter <u>D</u>	Section <u>33</u>	Township <u>1-S-3</u>	Range <u>R-26-E</u>	County <u>Chaves</u>	
Actual Footage Location of Well: <u>790</u> feet from the <u>North</u> line and <u>330</u> feet from the <u>West</u> line					
Ground Level Elev. <u>3609</u>	Producing Formation		Pool	Dedicated Acreage: <u>20 40</u> Acres	

1. Is the Operator the only owner in the dedicated acreage outlined on the plat below? YES _____ NO _____. ("Owner" means the person who has the right to drill into and to produce from any pool and to appropriate the production either for himself or for himself and another. (65-3-29 (e) NMSA 1935 Comp.)
2. If the answer to question one is "no," have the interests of all the owners been consolidated by communitization agreement or otherwise? YES _____ NO _____. If answer is "yes," Type of Consolidation _____
3. If the answer to question two is "no," list all the owners and their respective interests below:

Owner	Land Description

SECTION B



CERTIFICATION

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

Name <u>Joe J. Hewett, Jr.</u>
Position <u>Dr. Sam E. Dunn</u>
Company <u>JUN 2 1964</u>
Date <u>U. S. GEOLOGICAL SURVEY</u>
<u>ROSWELL, NEW MEXICO</u>

I hereby certify that the well location shown on the plat in SECTION B was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed <u>May 27, 1964</u>
Registered Professional Engineer and Land Surveyor <u>Joe J. Hewett, Jr.</u>
Certificate No. <u>3280</u>

0 330 660 990 1320 1650 1980 2310 2640 2000 1500 1000 500 0



GARY JOHNSON
GOVERNOR

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

JENNIFER SALISBURY
CABINET SECRETARY

MEMORANDUM

TO: Rand Carroll
FROM: Ray Smith *RS*
SUBJECT: Well Plugging Contractors
DATE: May 8, 1995

Dear Rand,

Due to an incomplete bid from Mayo Marrs Casing Pulling Inc,
we recommend this bid go to Pride Petroleum Service, P.O. Box
909, Lovington, NM 88260 to plug the A.D. or James T. Raby,
Keys #1 in Ut Ltr D-33-6S-26E Chaves County N.M.



BRUCE KING
GOVERNOR

STATE OF NEW MEXICO

ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

OIL CONSERVATION DIVISION
ARTESIA DISTRICT OFFICE

ANITA LOCKWOOD
CABINET SECRETARY

MEMORANDUM

TO: Rand Carroll

FROM: Ray Smith

SUBJECT: Well plugging procedure for A.D. Raby or James T. Raby.
Keys #1 E-33-6-26

DATE: December 13, 1994

This well has already been through process and is ready for bidding. Enclosed is the plugging procedure and well diagram along with other information.

We should be able to plug this well for around \$9,000.00. Also enclosed is a list of well plugging contractors.

A handwritten signature in cursive script, appearing to read "Ray Smith".

12/13/94

Well Plugging Companies

L B Oilfield Services Inc.
P.O. Box 122
Midland, TX 79702
Ph: 915-520-4103

Pride Petroleum Service
P.O. Box 909
Lovington, NM 88260
Ph: 505-396-2851

Royalty Well Service
P.O. Box 394
Grandfalls, TX 79742
Ph: 915-547-2926

Mayo Marrs Casing Pullers
P.O. Box 863
Kermit, TX 79745
Ph: 915-586-3076

D A & S Oilfield Services
P.O. Box 2545
Hobbs, NM 88240
Ph: 505-392-6591

	C
2780.00	+
720.00	+
50.00	+
50.00	+
50.00	+
120.00	+
400.00	+
200.00	+
500.00	+
155.00	+
250.00	+
25.00	+
285.00	+
6731.00	*

+ Cmt
+ Dist
1500.00

Rig + Crew 36 hrs @ 105.00	3780.00
Supervision	720.00
Thy tongs	50.00
Csg tongs	50.00
Elevators	86.00
Slips	120.00
Wireline truck	400.00
Csg Cutter	200.00
Pump truck	600.00
Csg slips w/ bowl	165.00
Fac tanks	250.00
Water	25.00
Transportation on water	285.00
Dirt work for road + pad	
Cement 200 sf	1500.00
Transportation on tank	250.00

Go for \$ 9000.00

