Form 9-331 C
(May 1963)

SUBMIT IN T ICATE* (reverse side)

Form approved.
Budget Bureau No. 42-R1425.

30-043-20117

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

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

b. TYPE OF WELL: OIL WELL [ ] GAS WELL [ ] OTHER WILDCAT - GAS STORAGE SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR: Southern Union Gas Company

3. ADDRESS OF OPERATOR: P. O. Box 808, Farmington, New Mexico 87401

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface: 2080 FT. FROM THE North LINE & 1730 FT. FROM THE West LINE.
At proposed prod. zone: Aqua Zarco - 2275 - 2400, Permian - 3175 - 3400

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*: 5 miles West of San Ysidro, New Mexico

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): Lease Line 260 FT., Unit Line 260 FT.

16. NO. OF ACRES IN LEASE: 1680

17. NO. OF ACRES ASSIGNED TO THIS WELL: 40 Acres SE/4 NW/4

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: Approx. 2640 FT.

19. PROPOSED DEPTH: 3500

20. ROTARY OR CABLE TOOLS: Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.): 5816 Ungraded Gr.

22. APPROX. DATE WORK WILL START*: December 22, 1971

5. LEASE DESIGNATION AND SERIAL NO.: N.M. 14237

6. IF INDIAN, ALLOTTEE OR TRIBE NAME:

7. UNIT AGREEMENT NAME:

8. FARM OR LEASE NAME: San Ysidro

9. WELL NO.: 2

10. FIELD AND POOL, OR WILDCAT: Wildcat

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 28, T-19N, R-1E N.M.P.M.

12. COUNTY OR PARISH: Sandoval 13. STATE: New Mexico

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
12-1/4"	8-5/8"	24.0#	400 FT.	300 sks.
7-7/8"	4-1/2"	10.5#	3500	700 sks.

1. We propose to drill a 7-7/8" hole to a total depth of approx. 3500 FT.

2. It is our intention to cut a 50 ft. core in the Aqua Zarco formation from approx. 2300 to 2350 and drill stem test.

3. It is also our intention to cut a 50 ft. core and test the Permian from approx. 3250 to 3300 feet.

4. Should core, test, and log data be favorable a string of 4-1/2" casing will be run and further tests will be made. [redacted]

STRATIGRAPHIC TEST FOR GEOLOGIC INFORMATION [redacted]

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 ORIGINAL SIGNED BY A. R. VANDERSLICE (A. R. Vanderslice) TITLE Area Superintendent DATE December 10, 1971

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

THIS WELL IS BEING DRILLED AS A STRATIGRAPHIC TEST-HOLE FOR GEOLOGICAL INFORMATION ONLY AND UNDER NO CIRCUMSTANCES WILL IT BE PRODUCED.

RECEIVED
MAY 24 1972
OIL CON. COM.
DIST. 3

APPROVED
DEC 15 1971
E. A. Schmidt
E. A. SCHMIDT
ACTING DISTRICT ENGINEER

*See Instructions On Reverse Side

U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

NEW MEXICO OIL CONSERVATION COMMISSION

WELL LOCATION AND ACREAGE DEDICATION PLAT

All distances must be from the outer boundaries of the Section

Operator	Lease	Well No.
SOUTHERN UNION PRODUCTION COMPANY	SAN YSIDRO	2

Unit Letter	Section	Township	Range	County
F	20	15 NORTH	1 EAST	SANDOVAL

Actual Footage Location of Well:
2380 feet from the NORTH line and 1730 feet from the WEST line

Ground Level Elev.	Producing Formation	Pool	Dedicated Avereage:
5816.0	WILDCAT	NONE	SE/4 NW/4 40 Acres

1. Outline the acerage dedicated to the subject well by colored pencil or hachure marks on the plat below.

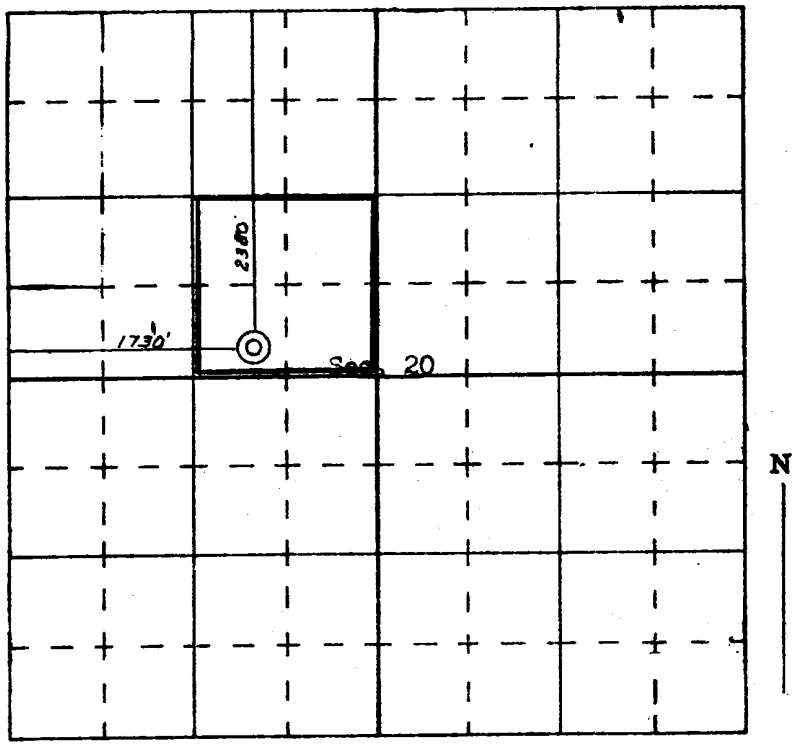
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty),

3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling. etc?

( ) Yes ( ) No If answer is "yes," type of consolidation .....

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

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



SCALE—4 INCHES EQUALS 1 MILE

SAN JUAN ENGINEERING COMPANY, FARMINGTON, N. M.

CERTIFICATION

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

Name ORIGINAL SIGNED BY B. R. VANDERSLICE

Position B. R. VANDERSLICE

Company AREA SUPERINTENDENT

Date SOUTHERN UNION PRODUCTION DECEMBER 10, 1971

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

Date Surveyed 7 December, 1971

Registered Professional Engineer and/or Land Surveyor

JAMES P. LEESE

Certificate No. 1463

Well file

PRODUCTION PROFITS
DIVISION OF SONICS INTERNATIONAL, INC.
Petroleum Service Laboratory
DALLAS, TEXAS

Client Southern Union Production Company

County State

Field No. 2 San Ysidro Lease Well No.

Formation Depth Perf.

Source of Sample Aqua Zarco No. 2 San Ysidro S. U. P. from Perforations 2236 ft. 2260 ft.

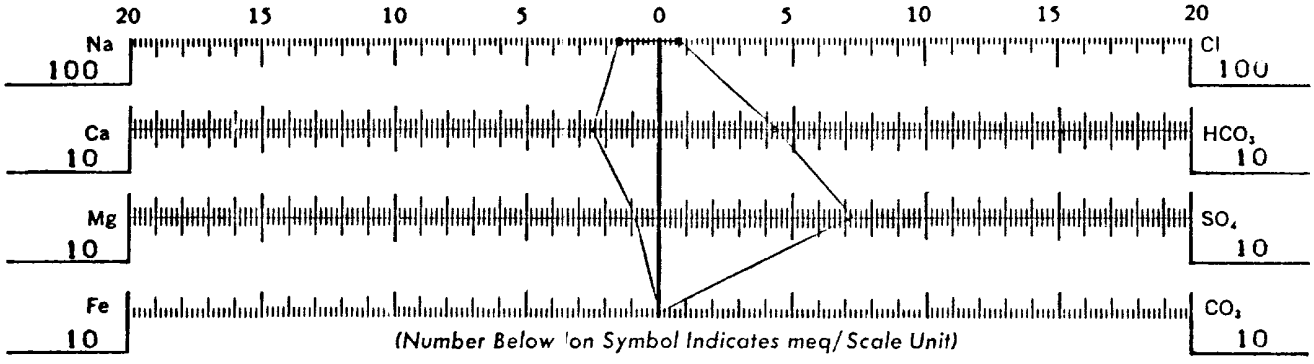
Date Collected 2-9-72 by

REPORT OF WATER ANALYSIS

Lab. Number P-3416 Specific Gravity 1.0116 pH 6.9

Total Dissolved Solids 13047 Resistivity (Ohmmeters at 68° F.) .692 Hydrogen Sulfide ABSENT

DISSOLVED MINERAL ANALYSIS PATTERN



DISSOLVED SOLIDS ANALYSIS

	mg/l	meq/l
Total Solids (Calc.)	13047	
Sodium (Calc.)	3640	158.4
Iron (Dissolved)	0	0.
Barium	0	0.
Calcium	500	24.9
Magnesium	97	8.0
Chloride	2660	75.0
Bicarbonate	2650	43.5
Carbonate	0	0.
Sulfate	3500	72.8

PRECIPITATED AND SUSPENDED SOLIDS ANALYSIS

	mg/l
Total Undissolved Solids	
Oil (Solvent Soluble)	
Acid Solubles	
Iron as	
Calcium as	
Magnesium as	
Sulfate as	
Organic (Ignition Loss)	
Acid Insolubles	
Sand & Clay	
Barium Sulfate (Quan.)	
(Qual.)	

TOTAL IRON -

SOLUBILITY CALCULATIONS

Calcium Carbonate Stability Index at 77° F .91 Scaling Tendency POS.

Calcium Sulfate Stability at 95°F

Concentration 24.9 meq/l. Calc. Solubility 30.84 meq/l. Percent Saturation 80.73

Barium Sulfate Stability at 95° F

Concentration meq/l. Calc Solubility meq/l. Percent Saturation

REMARKS

CA-20

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SOUTHERN UNION PRODUCTION CO. Formation MOJA ZARCA File RP-3-2521
Well # 2 SAN YSIDRO Core Type DIA. CBV. 3 1/2" Date Report 1-14-72
Field WILDCAT Drilling Fluid WATER BASE MUD Analysts MCHL
County SANDOVAL State N. MEX. Elev. ~~6030 DF~~ 5024 Location SEC 29 - T 19N - R 1E

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM; DOLOMITE-DOL, CHERT-CH, GYPSUM-GYP; ARGILLACEOUS-ARG, CONGLOMERATIC-CONG, FOSSILIFEROUS-FOSS; SANDY-SDY, SHALY-SHY, LIMY-LMY; FINE-FN, MEDIUM-MED, COARSE-CSE; CRYSTALLINE-XLN, GRAIN-GRN, GRANULAR-GRNL; BROWN-BRN, GRAY-GY, VUGGY-VGY; FRACTURED-FRAC, LAMINATION-LAM, STYLOLITIC-STY; SLIGHTLY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
1	2251-52	279	18.5	0.0	54.1	SS, WH, MED, SL CALC
2	2252-53	164	15.0	0.0	71.3	SS, WH, MED
3	2253-54	201	18.6	0.0	73.6	SS, WH, MED
4	2254-55	513	18.2	0.0	71.4	SS, WH, MED
5	2255-56	199	15.6	0.0	72.4	SS, WH, MED
6	2256-57	121	16.3	0.0	67.5	SS, WH, MED
7	2257-58	317	17.0	0.0	73.9	SS, WH, MED
8	2258-59	363	16.2	0.0	75.3	SS, WH, MED
9	2259-60	224	16.6	0.0	71.1	SS, WH, MED
10	2260-61	245	16.4	0.0	72.5	SS, WH, MED
11	2261-62	242	15.7	0.0	69.1	SS, WH, MED
12	2262-63	340	17.1	0.0	70.7	SS, WH, MED
13	2263-64	293	16.1	0.0	73.9	SS, WH, MED
14	2264-65	409	16.3	0.0	74.2	SS, WH, MED
15	2265-66	137	16.4	0.0	68.9	SS, WH, MED
16	2266-67	242	16.6	0.0	65.7	SS, WH, MED
17	2267-68	92	11.5	0.0	59.9	SS, WH, MED
18	2268-69	95	14.8	0.0	61.4	SS, WH, MED
19	2269-70	11	12.3	0.0	76.4	SS, WH, MED
20	2270-71	66	13.0	0.0	67.6	SS, WH, MED
21	2271-72	181	16.3	0.0	65.0	SS, WH, MED
22	2272-73	60	13.2	0.0	77.4	SS, WH, MED
23	2273-74	288	15.7	0.0	62.4	SS, WH, MED
24	2274-75	57	13.2	0.0	64.3	SS, WH, MED
25	2275-76	224	17.0	0.0	65.2	SS, WH, MED
26	2276-77	196	15.3	0.0	64.0	SS, WH, MED
27	2277-78	129	15.4	0.0	63.6	SS, WH, MED
28	2278-79	101	16.3	0.0	71.7	SS, WH, MED
29	2279-80	193	14.4	0.0	77.3	SS, WH, MED
30	2280-81	34	10.7	0.0	71.0	SS, WH, MED
31	2281-82	167	12.5	0.0	68.1	SS, WH, MED
32	2282-83	164	13.9	0.0	74.9	SS, WH, MED
33	2283-84	80	12.3	0.0	76.4	SS, WH, MED
34	2284-85	190	11.7	0.0	69.2	SS, WH, MED
35	2285-86	95	13.9	0.0	66.2	SS, WH, MED
36	2286-87	158	12.3	0.0	70.0	SS, WH, MED
37	2287-88	14	10.4	0.0	70.3	SS, WH, MED
38	2288-89	101	11.7	0.0	69.2	SS, WH, MED
39	2289-90	0.02	2.7	0.0	88.9	SS, GRY, VFN, SH LAM
40	2290-91	0.11	7.2	0.0	59.7	SS, GRY, VFN, SH LAM
41	2291-92	3.3	12.9	0.0	34.8	SS, GRY, VFN, SH LAM
42	2292-93	34	19.3	0.0	73.0	SS, WH, MED

DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SOUTHERN UNION PRODUCTION CO. Formation [illegible] File KR-3-4521

Well # 2 "N" YSIDRO Core Type [illegible] 3 1/2" Date Report 1-14-72

Field WILDCAT Drilling Fluid [illegible] Analysts MCHL

County SANDOVAL State N.M. Rev. ~~5824~~ 5824

Lithological Abbreviations

SAND-SD SHALE-SH LIME-LM	DOLOMITE-DOL CHERT-CH GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	SL CALY-SL/ VERY-V/ WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE SPACE OIL	RESIDUAL SATURATION PER CENT PORE SPACE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
43	2290-91	164	14.1	0.0	[illegible]	SS, WH, [illegible]
44	2291-92	201	16.6	0.0	[illegible]	SS, WH, [illegible]
45	2292-93	169	15.5	0.0	68.9	SS, WH, [illegible]
46	2293-94	203	16.7	0.0	[illegible]	SS, WH, [illegible]
47	2294-95	222	14.7	0.0	[illegible]	SS, WH, [illegible]
48	2295-96	201	16.2	0.0	74.7	SS, WH, [illegible]
49	2296-97	158	16.1	0.0	75.9	SS, WH, MED
50	2297-98	141	15.0	0.0	72.7	SS, WH, [illegible]
51	2298-99	230	16.7	0.0	67.7	SS, WH, MED
	1-26-72	PERMIAN FORMATION				
52	3187-88	20	22.2	0.0	79.7	SS, RED, VFN-FN, SLTY, CALC
53	3188-89	1.0	19.5	0.0	78.9	SS, RED, VFN-FN, SLTY, CALC
54	3189-90	7.2	23.6	0.0	75.3	SS, RED, VFN-FN, SLTY, SL CALC
55	3190-91	1.2	20.8	0.0	76.1	SS, RED, VFN-FN, SLTY, SL CALC
56	3191-92	9.9	23.1	0.0	77.0	SS, RED, VFN-FN, SLTY, SL CALC
57	3192-93	6.2	22.9	0.0	76.1	SS, RED, VFN-FN, SLTY, SL CALC
58	3193-94	34	25.7	0.0	79.4	SS, RED, VFN-FN, SLTY, SL CALC
59	3194-95	80	23.6	0.0	80.1	SS, RED, VFN-FN, SLTY, SL CALC
60	3195-96	0.83	19.0	0.0	81.1	SS, RED, VFN-FN, SLTY, SL CALC
61	3196-97	19	24.3	0.0	73.2	SS, RED, VFN-FN, SLTY, SL CALC
62	3197-98	22	22.6	0.0	77.1	SS, RED, VFN-FN, SLTY, SL CALC
63	3198-99	0.83	12.4	0.0	75.1	SS, RED, VFN-FN, SLTY, SL CALC
64	3199-00	19	23.7	0.0	80.2	SS, RED, VFN-FN, SLTY, SL CALC
65	3200-01	11	23.1	0.0	81.1	SS, RED, VFN-FN, SLTY, SL CALC
66	3201-02	28	26.8	0.0	78.7	SS, RED, VFN-FN, SLTY, SL CALC
67	3202-03	8.2	19.3	0.0	75.6	SS, RED, VFN-FN, SLTY, SL CALC
68	3203-04	5.6	22.3	0.0	76.6	SS, RED, VFN-FN, SLTY, SL CALC
69	3204-05	224	24.1	0.0	73.9	SS, RED, VFN-FN, SLTY, SL CALC
70	3205-06	51	23.5	0.0	76.1	SS, RED, VFN-FN, SLTY, SL CALC
71	3206-07	20	22.3	0.0	79.9	SS, RED, VFN-FN, SLTY, SL CALC
72	3207-08	392	24.6	0.0	80.2	SS, RED, VFN-FN, SLTY, SL CALC
73	3208-09	147	24.0	0.0	80.4	SS, RED, VFN-FN, SLTY, SL CALC
74	3209-10	14	24.9	0.0	80.4	SS, RED, VFN-FN, SLTY, SL CALC
75	3210-11	0.16	14.6	0.0	82.1	SS, RED, VFN, V/SLTY, SHLY
76	3211-12	0.35	17.8	0.0	80.4	SS, RED, VFN, V/SLTY, SHLY
77	3212-13	0.16	15.1	0.0	81.5	SS, RED, VFN, V/SLTY, SHLY
78	3213-14	0.02	9.0	0.0	91.1	SS, RED, VFN, V/SLTY, SHLY
79	3214-15	0.02	10.2	0.0	86.2	SS, RED, VFN, V/SLTY, SHLY
80	3215-16	0.02	10.5	0.0	83.8	SS, RED, VFN, V/SLTY, SHLY

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

CORE ANALYSIS RESULTS

Company SOUTHERN UNION PRODUCTION CO. Formation [illegible] File RP-3-3521
Well # 2 SAN YSIDRO Core Type [illegible] Date Report 1-26-72
Field WILDCAT Drilling Fluid [illegible] Analysts MCHE
County SANDOVAL State N. MEX. Elev. ~~5815~~ 5824 DF Location [illegible]

Lithological Abbreviations

SAND-SD, SHALE-SH, LIME-LM, DOLOM TE-DOL, CHERT-CH, GYPSUM-GYP, ANHYDRITE-ANHY, CONGLOMERATE-CONG, FOSSILIFEROUS-FOSS, SANDY-SDY, SHALY-SHY, LIMY-LMY, FINE-FN, MEDIUM-MED, COARSE-CSE, CRYSTALLINE-XLN, GRANULAR-GRNL, BROWN-BRN, GREY-GY, VUGGY-VGY, FRACTURED-FRA, LAMINATED-LAM, STYLOLITIC-STY, SLTY-SL/, VERY-V/, WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE OIL	RESIDUAL SATURATION PER CENT PORE TOTAL WATER	SAMPLE DESCRIPTION AND REMARKS
81	3216-17	0.07	13.9	0.0	79.3	SS, RED, VFN, V/SLTY, SHLY
82	3217-18	0.07	12.5	0.0	89.6	SS, RED, VFN, V/SLTY, SHLY
83	3218-19	0.04	11.4	0.0	87.9	SS, RED, VFN, V/SLTY, SHLY
84	3219-20	1.7	13.4	0.0	88.1	SS, RED, VFN, V/SLTY, SHLY
85	3220-21	0.41	13.6	0.0	88.6	SS, RED, VFN, V/SLTY, SHLY
86	3221-22	0.28	16.1	0.0	83.9	SS, RED, VFN, V/SLTY, SHLY
87	3222-23	0.07	12.5	0.0	85.6	SS, RED, VFN, V/SLTY, SHLY
88	3223-24	0.99	16.6	0.0	81.3	SS, RED, VFN, V/SLTY, SHLY
89	3224-25	0.67	14.9	0.0	78.5	SS, RED, VFN, V/SLTY, SHLY
90	3225-26	0.23	16.2	0.0	85.1	SS, RED, VFN, V/SLTY, SHLY
91	3226-27	0.75	19.5	0.0	77.9	SS, RED, VFN, V/SLTY, SHLY
92	3227-28	0.69	15.9	0.0	85.0	SS, RED, VFN, V/SLTY, SHLY
93	3228-29	0.30	15.5	0.0	83.2	SS, RED, VFN, V/SLTY, SHLY
94	3229-30	23	19.2	0.0	71.3	SS, RED, VFN-FN, V/SLTY, SHLY
95	3230-31	1.0	15.1	0.0	73.5	SS, RED, VFN, V/SLTY, SHLY
96	3231-32	3.1	24.9	0.0	83.6	SS, RED, VFN, V/SLTY, SHLY
97	3232-33	6.8	24.7	0.0	84.1	SS, RED, VFN, V/SLTY, SHLY
98	3233-34	10	24.3	0.0	82.3	SS, RED, VFN, V/SLTY, SHLY
99	3234-35	5.2	23.4	0.0	83.8	SS, RED, VFN, V/SLTY, SHLY
100	3235-36	8.8	25.8	0.0	83.0	SS, RED, VFN, V/SLTY, SHLY
101	3236-37	13	23.1	0.0	81.8	SS, RED, VFN, V/SLTY, SHLY
102	3237-38	4.8	21.6	0.0	78.7	SS, RED, VFN, V/SLTY, SHLY

CA-20

CORE LABORATORIES, INC.
Petroleum Reservoir Engineering
DALLAS, TEXAS

Page No._____

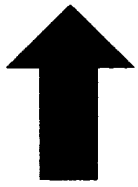
CORE ANALYSIS RESULTS

Company SOUTHERN UNION PRODUCTION CO. Formation AQUA ZARCA File RP-3-2529
Well # 2 SAN YSIDRO Core Type DIA. CONV. 3 1/2" Date Report 2-4-72
Field WILDCAT Drilling Fluid WATER BASE MUD Analysts MCHL
County SANDOVAL State N. MEX. Elev. ~~5820~~ 5824 DF Location SEC 20 - T 15N - R 1E

Lithological Abbreviations

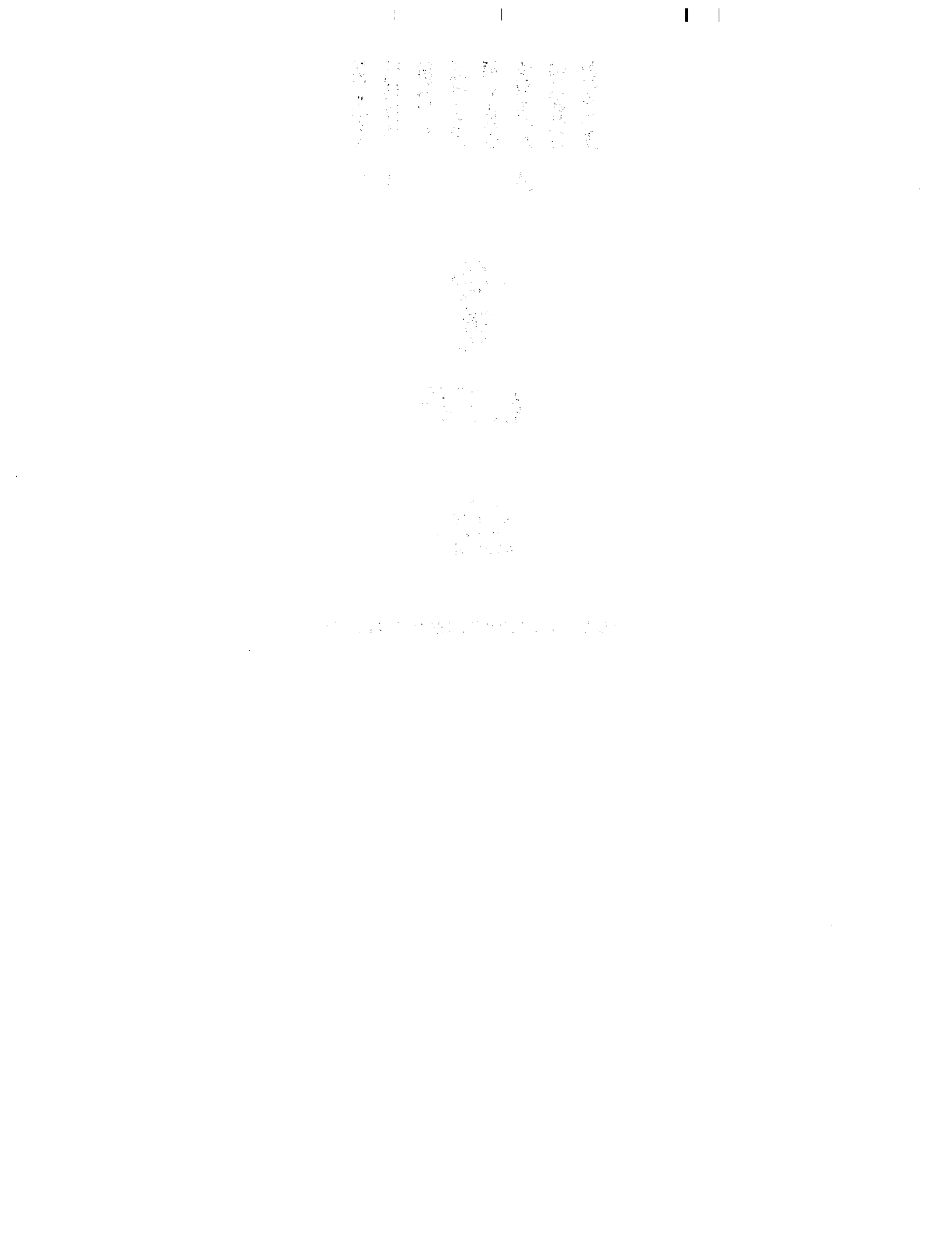
SAND-SD SHALE-SH LIME-LM	DOLOMITE-DOL CHERT-CH GYPSUM-GYP	ANHYDRITE-ANHY CONGLOMERATE-CONG FOSSILIFEROUS-FOSS	SANDY-SDY SHALY-SHY LIMY-LMY	FINE-FN MEDIUM-MED COARSE-CSE	CRYSTALLINE-XLN GRAIN-GRN GRANULAR-GRNL	BROWN-BRN GRAY-GY VUGGY-VGY	FRACTURED-FRAC LAMINATION-LAM STYLOLITIC-STY	SLIGHTLY-SL/ VERY-V/ WITH-W/

SAMPLE NUMBER	DEPTH FEET	PERMEABILITY MILLIDARCYS	POROSITY PER CENT	RESIDUAL SATURATION PER CENT PORE		SAMPLE DESCRIPTION AND REMARKS
				OIL	TOTAL WATER	
		VERT. K_A				
37	2287-88	17				
38	2288-89	57				
39	2289-90	0.01				
40	2290-91	0.07				
41	2291-92	1.2				
42	2292-93	10				
43	2293-94	115				
44	2294-95	129				



LTR

Job separation sheet



Form 9-331
(May 1963)

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPLICATE* (Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.: N.M. 14237

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.)

1. OIL WELL ☐ GAS WELL ☐ OTHER WILDCAT - GAS STORAGE

7. UNIT AGREEMENT NAME:

2. NAME OF OPERATOR: SOUTHERN UNION GAS COMPANY

8. FARM OR LEASE NAME: SAN YSIDRO

3. ADDRESS OF OPERATOR: P. O. Box 808, Farmington, New Mexico 87401

9. WELL NO.: 2

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface: 2360 FT. FROM THE NORTH LINE AND 1730 FT. FROM THE WEST LINE.

10. FIELD AND POOL, OR WILDCAT: WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA: Sec. 20, T-19N, R-1E, N.M.P.M.

14. PERMIT NO.:

15. ELEVATIONS (Show whether DF, RT, GR, etc.): 5819 FT. R.K.B.

12. COUNTY OR PARISH: SANDOVAL

13. STATE: NEW MEXICO

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

NOTICE OF INTENTION TO:				SUBSEQUENT REPORT OF:			
TEST WATER SHUT-OFF	☐	PULL OR ALTER CASING	☐	WATER SHUT-OFF	☐	REPAIRING WELL	☐
FRACTURE TREAT	☐	MULTIPLE COMPLETE	☐	FRACTURE TREATMENT	☐	ALTERING CASING	☐
SHOOT OR ACIDIZE	☐	ABANDON*	☐	SHOOTING OR ACIDIZING	XX	ABANDONMENT*	☐
REPAIR WELL	☐	CHANGE PLANS	☐	(Other) SUPPLEMENTARY HISTORY			XX
(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 pertinent to this work.) *

1. DRILLED 7-7/8" HOLE TO TOTAL DEPTH OF 3396 FT. R.K.B. REACHED TOTAL DEPTH JANUARY 25, 1972.
2. RAN 104 JOINTS OF 5-1/2", 15.50#, K-55 CASING. LANDED AT 3395 FT. R.K.B. STAGE COLLARS SET AT 1097 FT. R.K.B. AND 2670 FT. R.K.B. CEMENTED 1ST STAGE W/250 CU. FT. OF CEMENT. PLUG DOWN 3100 P.M. 1/26/72. CEMENTED 2ND STAGE THRU STAGE COLLARS AT 2670 FT. W/650 CU. FT. OF CEMENT. PLUG DOWN 7:00 P.M. 1/26/72. CEMENTED 3RD. STAGE THRU STAGE COLLAR AT 1097 FT. W/300 CU. FT. OF CEMENT. PLUG DOWN 10:30 P.M. 1/26/72. CEMENT CIRCULATED TO SURFACE. DISPLACED ALL PLUGS W/9.2#/GAL. DRILLING MUD.
3. RAN 4-3/4" BIT DRILLED OUT STAGE COLLAR AT 1097 FT. CLEANED OUT TO 2650 FT. R.K.B.
4. RAN GAMMA RAY-NEUTRON CORRELATION LOG AND CEMENT BOND LOG.
5. PERFORATED AQUA ZARCA FORMATION 4 SHOTS/FT. FROM 2236 FT. - 2260 FT. R.K.B. TOTAL OF 96 HOLES.
6. ACIDIZED PERFORATIONS W/250 GALLONS OF 7-1/2% HCL ACID.
7. RAN 69 JOINTS OF 2-3/8", E.U.E., 4.70#, J-55 TUBING. LANDED AT 2188 FT. R.K.B.
8. COMPLETED WELL JANUARY 28, 1972.

RECEIVED
FEB 16 1972
OIL CON. COM.
DIST. 3

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

SIGNED Original signed by GILBERT D. NOLAND, JR. GILBERT D. NOLAND, JR. TITLE DRILLING SUPERINTENDENT DATE FEBRUARY 9, 1972

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

RECEIVED
FEB 1 0 1972
U. S. GEOLOGICAL SURVEY
DURANGO, COLO.

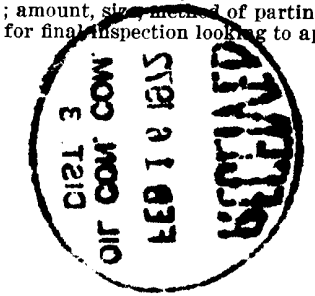
*See Instructions on Reverse Side

Instructions

General: This form is designed for submitting proposals to perform certain well operations, and reports of such operations when completed, as indicated, on Federal and Indian lands pursuant to applicable Federal law and regulations, and, if approved or accepted by any State, on all lands in such State, pursuant to applicable State law 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.

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 17: Proposals to abandon a well and subsequent reports of abandonment should include such special information as is required by local Federal and/or State offices. In addition, such proposals and reports should include reasons for the abandonment; data on any former or present productive zones, or other zones with present significant fluid contents not sealed off by cement or otherwise; depths (top and bottom) and method of placement of cement plugs; mud or other material placed below, between and above plugs; amount, size, method of parting of any casing, liner or tubing pulled and the depth to top of any left in the hole; method of closing top of well; and date well site conditioned for final inspection looking to approval of the abandonment.



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