

ATTACHMENT "B"

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(Other Instr. on reverse side)

Budget Bureau No. 1004-0135
Expires August 31, 1985

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	5. LEASE DESIGNATION AND SERIAL NO.
2. NAME OF OPERATOR Snyder Oil Corporation	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
3. ADDRESS OF OPERATOR P.O. Box 2038, Farmington, NM 87499	7. UNIT AGREEMENT NAME
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface SEE ATTACHED	8. FARM OR LEASE NAME
	9. WELL NO.
	10. FIELD AND POOL, OR WILDCAT
	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)
	12. COUNTY OR PARISH San Juan
	13. STATE NM

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 COMPLETE

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.)*

We would like to request approval for off
lease measurement on the attached list of wells.
Snyder Oil Corporation is the only operator on this
system.

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

SIGNED Werry Nelson

TITLE Field Foreman

DATE 4-11-94

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions on Reverse Side

SNYDER OIL CORPORATION

COMPASS 1 DK *Basin*

METER # 2606-30

LEASE # FEE

LEGAL DESCRIPTION

1690' FSL, 1986' FEL, NWSE, J SEC. 22, T31N R13W
SAN JUAN, NEW MEXICO

TEMPLETON 1E DK *Basin*

METER # 4871-30 *FLOR VISTA*

LEASE FEE

LEASE DESCRIPTION

890' FNL, 1820' FEL, NENE, B SEC. 27, T31N, R13W
SAN JUAN, NEW MEXICO

TEMPLETON 1 DK *Basin*

METER # 2677-30

LEASE FEE

LEGAL DESCRIPTION

810', FNL, 1760' FWL, NENW, C SEC. 27, T31N, R13W
SAN JUAN, NEW MEXICO

NANCE 1 DK *Basin*

METER # 7070-30

LEASE # 82-078463A

LEGAL DESCRIPTION

1760' FSL, 2310 FEL, NWSE, J SEC. 27, T31N, R13N
SAN JUAN, NEW MEXICO

NANCE 1-E DK & GAL

METER # 85-6 & 85-7 *FLOR VISTA*

LEASE # 82-078463A

LEGAL DESCRIPTION

590' FSL, 1850' FWL, SESW, N SEC. 27, T31N, R13W
SAN JUAN, NEW MEXICO

KAUFMAN 1 DK *Basin*

METER # 2601-30

LEASE # 82-078463A

LEGAL DESCRIPTION

1450' FSL, 790' FEL, SENE, H SEC. 33, T31N, R13W
SAN JUAN, NEW MEXICO

KAUFMAN 1E DK & GAL

METER # 85-8 & 85-9

LEASE # 82-078463A

LEGAL DESCRIPTION

857' FSL, 1827' FEL, SWSE, O SEC. 33, T31N, T13W
SAN JUAN, NEW MEXICO

SNYDER OIL CORPORATION

ROURKE 1 DK *BASIN*

METER # 2724-30

LEASE # 82-078212

LEGAL DESCRIPTION

790' FSL, 790' FWL, SWSW, M SEC. 4, T30N, R13W
SAN JUAN, NEW MEXICO

ROURKE 1-E DK & GAL ~~WATER~~

FLORA VISTA
~~WATER~~ *GALLUP*

METER # 85-10 & 85-11

LEASE # 82-078212

LEGAL DESCRIPTION

1000' FNL, 1000' FWL, NWNW, D SEC. 4, T30N, R13W
SAN JUAN, NEW MEXICO

PAYNE 2 DK *BASIN*

METER # 2209-30

LEASE # 82-078464

LEGAL DESCRIPTION

1850' FNL, 890' FEL, SENE, H SEC. 35, T31N, R13W
SAN JUAN, NEW MEXICO

PAYNE 2-E DK & GAL

FLORA VISTA

METER # 85-4 & 85-5

LEASE # 82-078464

LEGAL DESCRIPTION

1700' FNL, 900' FWL, SWNW, E SEC. 35, T31N, R13W
SAN JUAN, NEW MEXICO

PAYNE 3 DK

METER # 2468-30

LEASE # 82-078464

SAME

LEGAL DESCRIPTION

1650' FSL, 840' FWL, NWSW, L SEC. 26, T31N, R13W
SAN JUAN, NEW MEXICO

PAYNE 3E DK & GAL

METER # 85-2 & 85-3

LEASE # 82-078464

LEGAL DESCRIPTION

850' FNL, 940' FNL, NWNW, D SEC. 26, T31N, R13W
SAN JUAN, NEW MEXICO

PAYNE 1 DK

METER # 7008-30

LEASE # 82-078464

LEGAL DESCRIPTION

1740' FSL, 1775' FWL, NESW, K SEC 35, T31N, R13W
SAN JUAN, NEW MEXICO

SNYDER OIL CORPORATION

PAYNE 1E DK & GAL COMM

METER # 4908-30

LEASE # 82-078464

LEGAL DESCRIPTION

1120' FSL, 1120 FEL, SWSW, P SEC 35, T31N, R13W
SAN JUAN, NEW MEXICO

PAYNE 4 FR

METER # 9472-10

LEASE # 82-078464

LEGAL DESCRIPTION

910' FSL, 880 FEL, SESE, P SEC. 35, T31N, R13W
SAN JUAN, NEW MEXICO

*WILCOAT
FROTHMAN SAND*

LANGENDORF 1 DK *BASIN*

METER # 2585-30

LEASE # 82-078463

LEGAL DESCRIPTION

1750' FNL, 990' FEL, SENE, H SEC 34, T31N, T13W
SAN JUAN, NEW MEXICO

LANGENDORF 1E

METER # 4816-30

LEASE # 82-078463

LEGAL DESCRIPTION

1100' FSL, 1100 FEL, SESE, P SEC. 34. T31N, R13W
SAN JUAN, NEW MEXICO

FLORA VISTA

SANDROCK CPD

METER # N/A

LEASE # FEE

LEGAL DESCRIPTION

1650' FSL, 1700 FWL, NESW, K SEC. 23, T31N R13W
SAN JUAN, NEW MEXICO



Snyder Oil Corporation

P.O. Box 2038
Farmington, New Mexico 87499
(505) 632-8056

TO: INTERESTED PERSONS

DATE: April 13, 1994

FROM: Wayne Converse - District Engineer Farmington, NM

Listed below are various CPD allocations for the PRODUCTION MONTH of NOVEMBER, 1993
on the old SANDROCK CDP.

SANDROCK CPD
METER #92305

$P1 \cdot V1 = P2 \cdot V2$
 $14.73/15.025 = .9804$

WELL NAME	CHECK FM	R&L ** Meter @ 14.730	Volume %	EPG Sal @ 14.730	EPG Sal @ 15.025	BTU @ 14.73D	Days On
Kaufman 1E	DK	85008	1,267	0.13435843	1,290	1,265	1204
Kaufman 1E	GL	85009	200	0.02120891	204	200	1204
Nance 1E	DK	85006	1,300	0.13785790	1,324	1,298	1204
Nance 1E	GL	85007	57	0.00604454	58	57	1204
Payne 2E	DK	85004	2,505	0.26564157	2,551	2,501	1204
Payne 2E	GL	85005	150	0.01590668	153	150	1204
Payne 3E	DK	85002	1,272	0.13488865	1,295	1,270	1204
Payne 3E	GL	85003	449	0.04761400	457	448	1204
Rourke 1E	DK	85010	1,936	0.20530223	1,971	1,932	1204
Rourke 1E	GL	85011	294	0.03117709	299	293	1204
			9,430	1.00000000	9,602	9,414	1204
SUMMATION EPG SALES COLUM				9,602	9,414		
DIFFERENCE DUE TO ROUNDING				0	0		

The above worksheet is an example of how gas allocations will occur on the new Sandrock system. Areas marked by a block outline are data input areas. R & L Chart Services in Bloomfield provide total integrated volumes by month at each check meter site. Charts are gathered every eight days for integration. The 9,430 mcf total represents estimated apparent production from each meter. Fractional volumes of the 9,430 mcf total determine the percent volume contributed to the total gathering system. As EPG (Sunterra with the new system) integrated volumes at the sales meter become available, that amount is keyed to the block containing the 9,602 mcf amount and back allocated to each producing zone. Differences in the summary amount and allocated volumes are due to fractional rounding to the nearest integer.

Please note the difference between the integrated R & L meter total of 9,430 mcf and EPG sales total of 9,602 mcf. Pipeline gathering trunks are ELASTIC STORAGE systems. Unlike a RIGID system where you push a marble in and one marble drops out, a pipeline gathering system dynamically stores or "packs" gas in the pipeline for later retrieval and sale. Variences due to temperature, inlet and outlet pressures, downtime on the compressor and chemical makeup of the gas stream will affect actual sales. It is not uncommon when the gathering system is being "packed" with gas from the connected wells, for sales volumes to be less than total check meter volumes. Condensate fallout from the gas stream may also occur. Snyder Oil calibrates their check meters on a periodic basis to ensure accurate disposition of allocated volumes on this system. Under normal operating conditions, any persistent shortage of gas out of this system would initiate an aggressive check for leaks. It is Snyder's policy to maximize all gas streams gathered from this system.



Snyder Oil Corporation

P.O. Box 2038
Farmington, New Mexico 87499
(505) 632-8056

MEMO TO: Pat Wright
George Rooney

FROM: Chester Deal
Jerry Nelson

RE: Gathering System for Compressor #12 Tie In

DATE: October 20, 1992

We feel the following proposed gathering system will benefit all partys involved.

The following is a break down of what will need to be done in order to accomplish our goals and also an estimate of what the wells in the system will produce over the next twelve months.

- 1.) Install 10,000 ft of 4 1/2" pipeline to connect all wells into proposed system. Attached is a break down of cost, which will be approximately \$130,650.
- 2.) Break down of each wells' average production from 1990 and 1991 less 10% for normal decline.
- 3.) An estimate of what we feel each well will produce with this system installed. This does not include the flush production we expect in the first 90 days.
- 4.) Included is a map which has been drawn to give you an idea of what we would like.

BREAK DOWN BY WELL
1990 AND 1991 AVERAGE GAS SALES

<u>LOCATION</u>	<u>MCF</u>
Payne 1	27,964
Payne 1E	25,666
Payne 2	15,149
Payne 3	6,363
Payne 4	10,991
Hale Adobe 1	7,780 - P&A
Compass 1	3,915
Templeton 1	4,987
Kaufman 1	9,110

Nance 1	4,983
Langendorf 1	15,969
Rourke 1	34,280
Templeton 1E	-0-
Langendorf 1E	-0-

TOTAL	167,157
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I did not include the Templeton 1E or the Langendorf 1E due to the fact that they are not profitable to produce at higher line pressures. Both of these wells are capable of producing 100 to 150 mcf daily under compression. Neither well has produced a significant amount in the last three years.

ESTIMATE OF WHAT WE BELIEVE THESE
WELLS WILL PRODUCE UNDER COMPRESSION

<u>LOCATION</u>	<u>MCF</u>
Payne 1	41,964
Payne 1E	38,499
Payne 2	22,723
Payne 3	9,544
Payne 4	16,486
Hale Adobe 1	11,670
Compass 1	5,872
Templeton 1	7,480
Kaufman 1	13,666
Nance 1	7,474
Langendorf 1	23,953
Rourke 1	51,420
Templeton 1E	32,850
Langendorf 1E	24,637
TOTAL	308,238

I chose to include the Templeton 1E and Langendorf 1E in this estimate. These wells should have no trouble producing on this system.

CASH FLOW FACTORS

10.0%	DISCOUNT RATE PER YEAR - %	STOP YEAR
0.80	RISK FACTOR - (1.0 = 100% CONFIDENCE OF PROJECT SUCCESS)	50
\$3,000	CURRENT ECONOMIC LIMIT - \$ PER MONTH	
0.0%	OPERATING EXPENSE INCREASE PER YEAR - %	
7.0%	SOCO WI - %	
6.0%	SOCO NRI - %	
\$159,030	TOTAL PROJECT COST - \$	

SHUT-IN TAXES - CURRENT

OIL	GAS	
-----	-----	--

0.0%	7.0%	BASE TAX RATE PER YEAR - %
\$0.00	\$0.32	AD VALOREM - \$
0.0%	0.0%	NET TAX INCREASE PER YEAR - %

PRICES FOR EACH PRODUCT - CURRENT

OIL	GAS	
-----	-----	--

\$0.00	\$1.69	UNIT PRICE / BBL OR MCF
0.0%	0.0%	UNIT PRICE INCREASE PER YEAR - %
\$0.00	\$1.25	NET UNIT PRICE / BBL OR MCF

CURRENT PRODUCTION - 8/8 GROSS

OIL	GAS	
-----	-----	--

0	995	PROD / BOPD OR MCFD
10.0%	5.0%	DECLINE RATE PER YEAR - %
	18.1	YEARS REMAINING TO ECONOMIC LIMIT
0	2,888	RECOVERABLE RESERVES - MBBL OR MMCF

TOTAL PRODUCTION AFTER AFE PROJECT - 8/8 GROSS

OIL	GAS	
-----	-----	--

0	2595	PROD / BOPD OR MCFD
10.0%	5.0%	DECLINE RATE PER YEAR - %
	19.3	YEARS REMAINING TO ECONOMIC LIMIT
0	7,536	RECOVERABLE RESERVES - MBBL OR MMCF

NET PRODUCTION INCREASE AFTER AFE PROJECT - 8/8 GROSS

OIL	GAS	
-----	-----	--

0	1600	PROD / BOPD OR MCFD ADDED FROM PROJECT
	1.2	YEARS ADDED TO ECONOMIC LIFE OF PROJECT
0	4,648	NET RECOVERABLE RESERVES - MBBL OR MMCF
0.3		PAYOUT OF PROJECT - YEARS
\$2,423,703		8/8 PW - 10.0% FOR 10.0 YEARS
\$145,422		SOCO PW - 10.0% AT 6.0% NRI FOR 10.0 YEARS
26.5		ROI
15.2		DROI

8/8 DISCOUNTED NET CASH FLOW

YEAR	PROD. OIL	PRICE OIL	REV. OIL	PROD. GAS	PRICE GAS	REV. GAS	TOTAL REV	YEAR EXP.	PV	PW	SOCO NET PW
0							0	(\$159,030)	(\$159,030)		
1	0	\$0.00	\$0	454,298	\$1.25	\$568,645	\$568,645	\$0	\$568,645	\$325,382	\$19,523
2	0	\$0.00	\$0	430,950	\$1.25	\$539,421	\$539,421	\$0	\$539,421	\$730,657	\$43,839
3	0	\$0.00	\$0	407,603	\$1.25	\$510,196	\$510,196	\$0	\$510,196	\$1,079,128	\$64,748
4	0	\$0.00	\$0	384,256	\$1.25	\$480,973	\$480,973	\$0	\$480,973	\$1,377,774	\$82,666
5	0	\$0.00	\$0	360,909	\$1.25	\$451,750	\$451,750	\$0	\$451,750	\$1,632,775	\$97,967
6	0	\$0.00	\$0	337,562	\$1.25	\$422,526	\$422,526	\$0	\$422,526	\$1,849,598	\$110,976
7	0	\$0.00	\$0	314,214	\$1.25	\$393,302	\$393,302	\$0	\$393,302	\$2,033,076	\$121,985
8	0	\$0.00	\$0	290,867	\$1.25	\$364,077	\$364,077	\$0	\$364,077	\$2,187,480	\$131,249
9	0	\$0.00	\$0	267,520	\$1.25	\$334,856	\$334,856	\$0	\$334,856	\$2,316,582	\$138,995
10	0	\$0.00	\$0	244,173	\$1.25	\$305,631	\$305,631	\$0	\$305,631	\$2,423,703	\$145,422
TOTALS	0	\$0.00	\$0	3,492,352	\$1.25	\$4,371,377	\$4,371,377	(\$159,030)	\$4,212,347	\$2,423,703	\$145,422

2 130000 1111
(H M 2)

36° 52' 30"

4084000m. N.

4083

4082

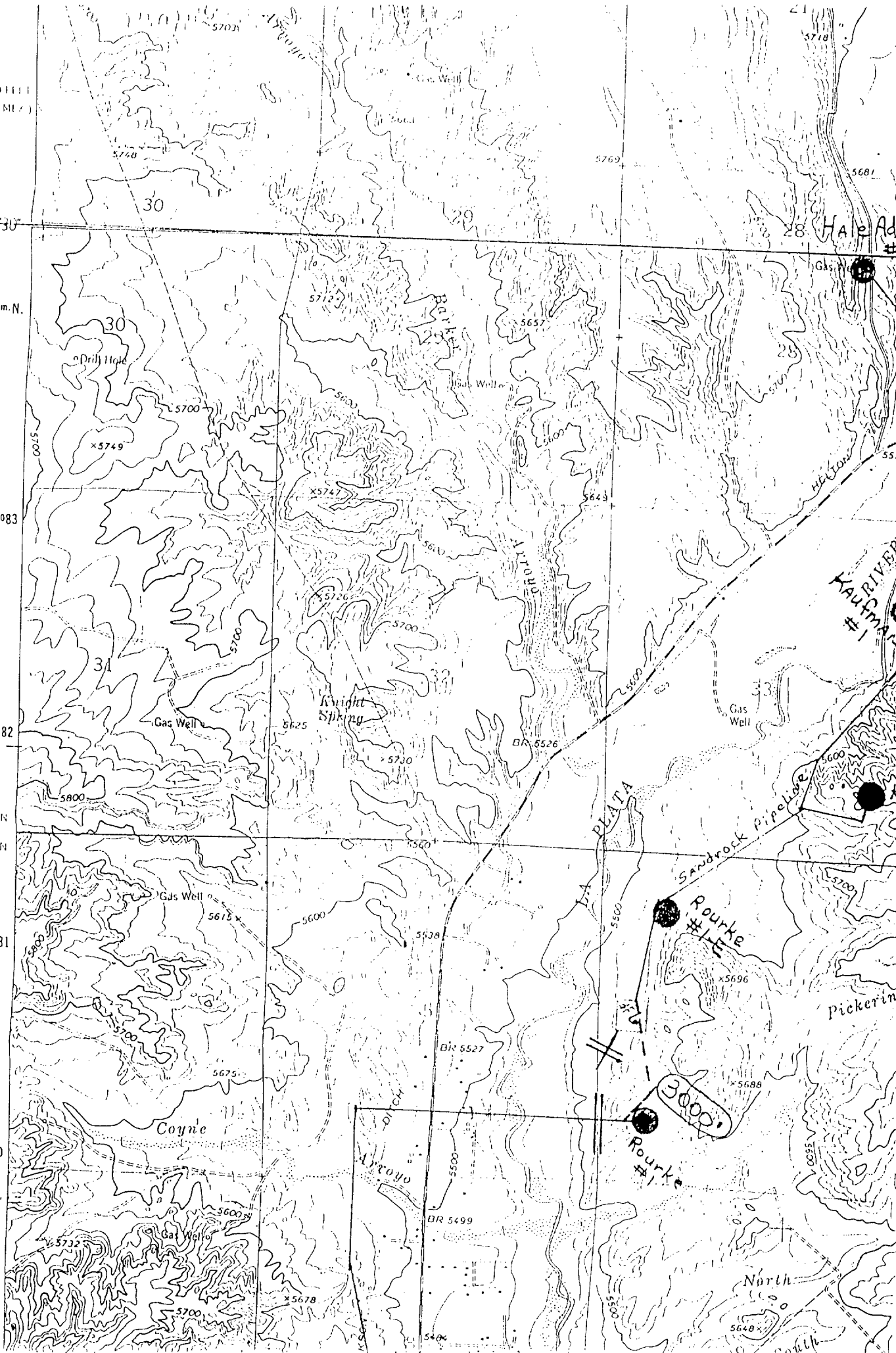
1. 31 N

1. 30 N

4081

4080

50'



Hale Ad #

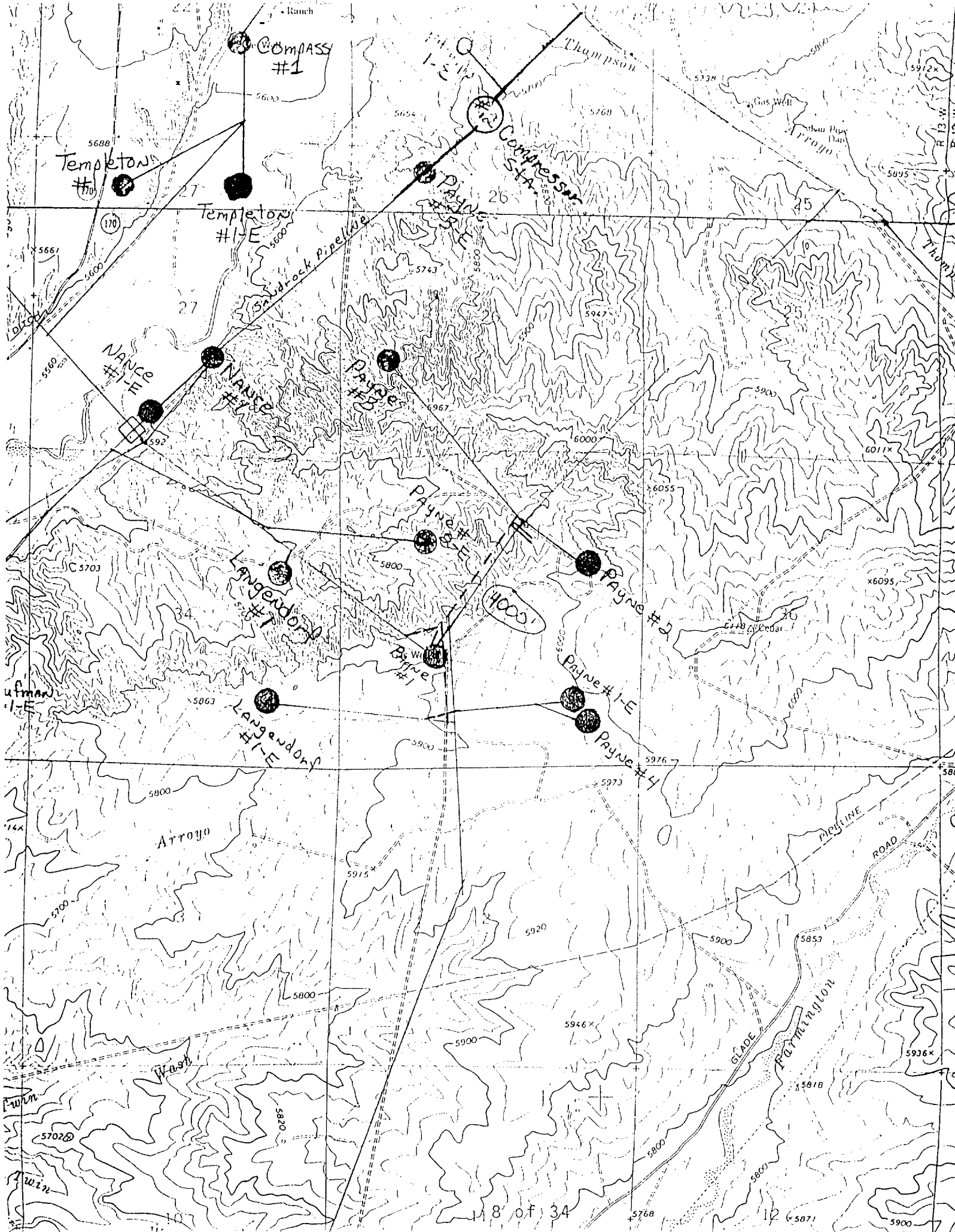
KAR RIVER KAUFMAN #1

Rourke #1

Rourke #1

North

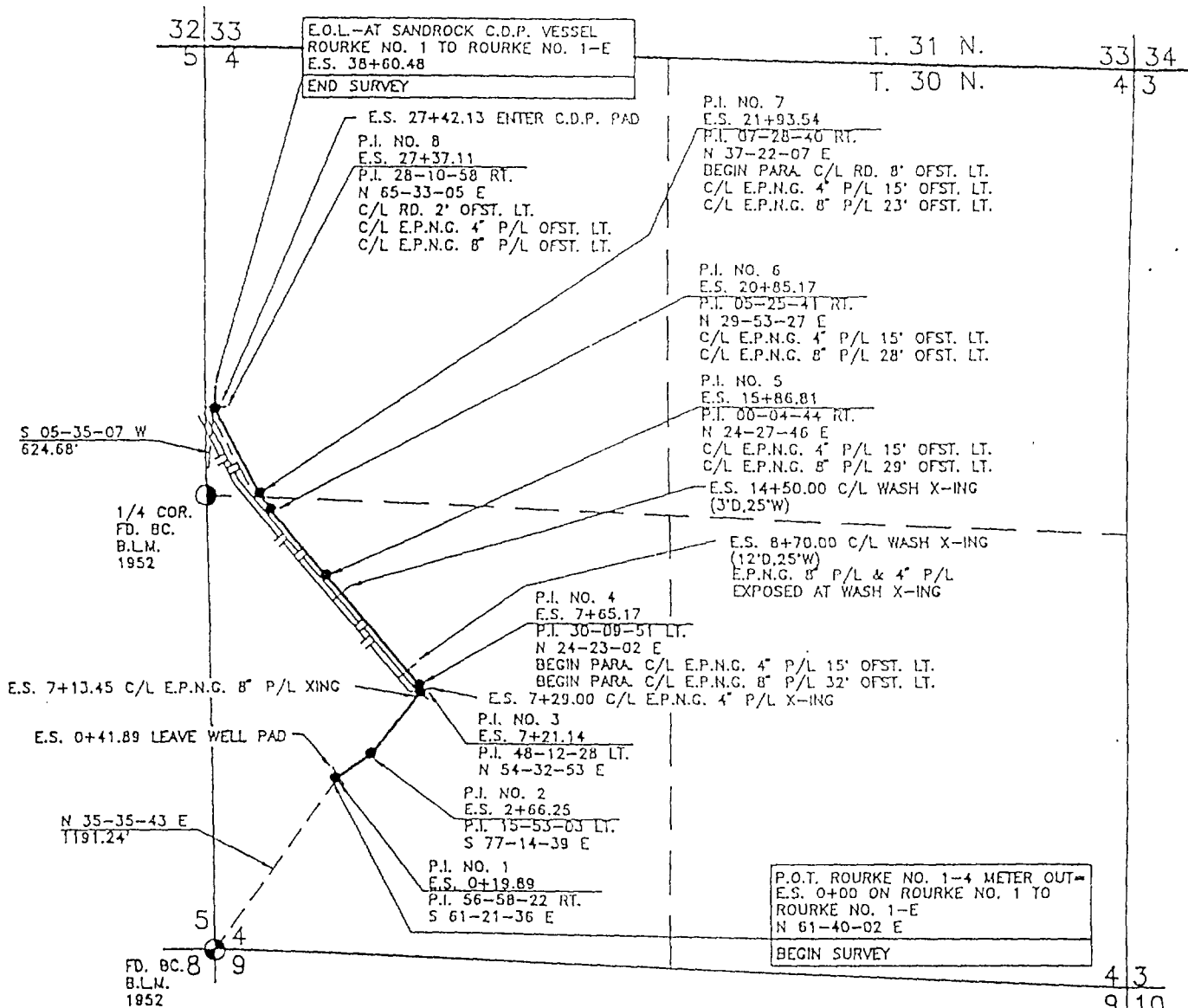
South



SNYDER OIL GAS PIPELINE

ROURKE NO. 1 TO ROURKE NO. 1-E

W/2 SEC 4, T. 30 N., R. 13 W., N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



NOTES:

- 1.) BASIS OF BEARING: G.L.O. RECORD BEARING BETWEEN THE SOUTHWEST CORNER & THE WEST QUARTER CORNER OF SECTION 4, TOWNSHIP 30 NORTH, RANGE 13 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. BEARS: N 00° 42' W

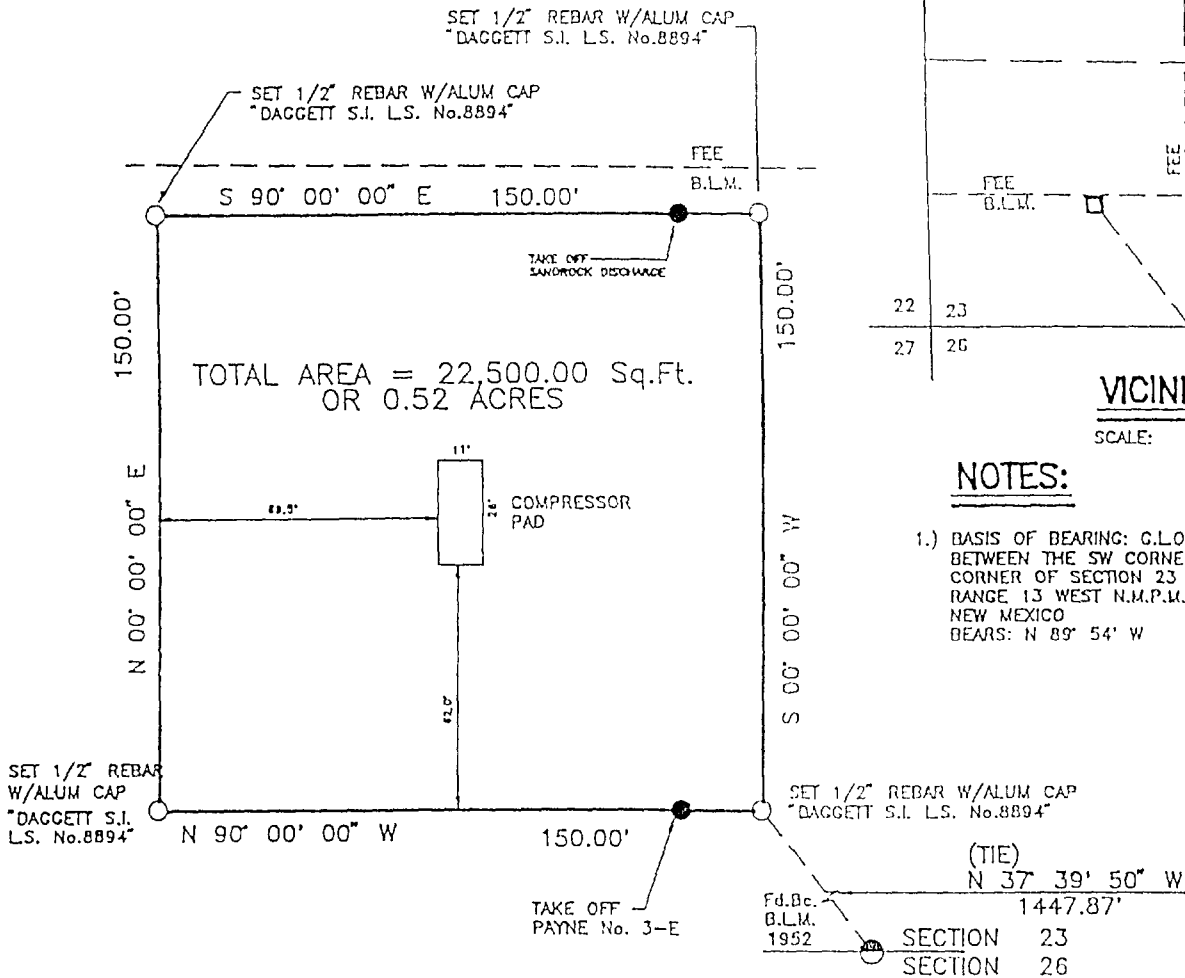
OWNER	STATION	FT./RODS
FEE	0+00 TO 28+60.48	2860.48/173.36

I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR, LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO. 9 of 34

0 500 1000
SCALE: 1"=1000'

DAGGETT SURVEYING, INC.
P.O. BOX NO.2789
FARMINGTON, NEW MEXICO 87401
(505) 326-1772
REGISTERED LAND SURVEYOR

SNIDER OIL
SANDROCK COMPRESSOR SITE
SW 1/4 SEC.23, T.31 N., R.13 W., N.M.P.M.,
SAN JUAN COUNTY, NEW MEXICO



VICINITY MAP:
SCALE: 1" = 2000'

NOTES:

- 1.) BASIS OF BEARING: G.L.O. RECORD BEARING BETWEEN THE SW CORNER & THE SOUTH QUARTER CORNER OF SECTION 23 TOWNSHIP 31 NORTH RANGE 13 WEST N.M.P.M., SAN JUAN COUNTY NEW MEXICO BEARS: N 89° 54' W



Roy A. Rush

DATE: 1/30/99-73

I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

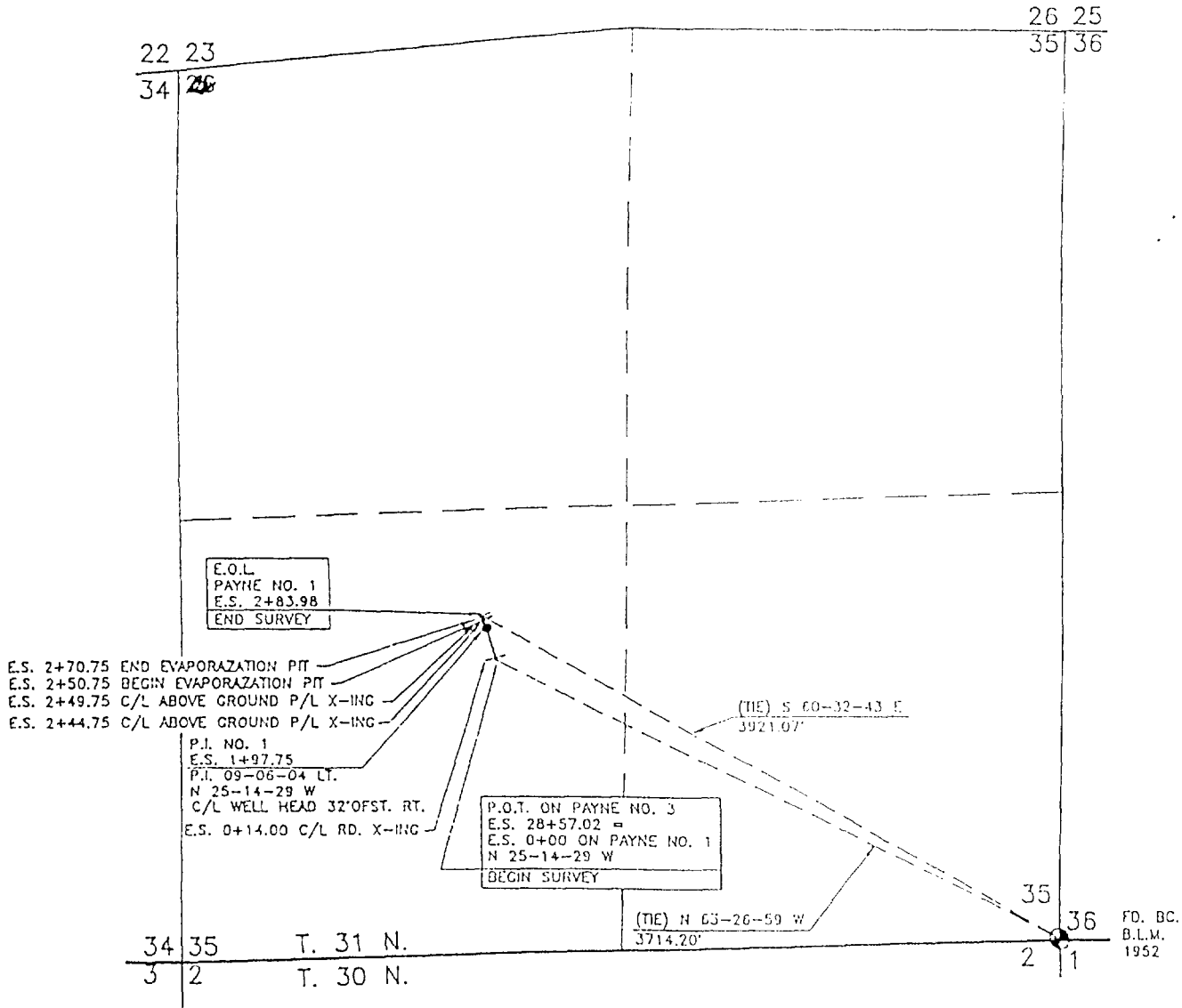
MOVE PAD	R.D.R.	11/93
CH. T.O.	R.D.R.	11/93
REVISION	REV. BY	DATE

0 25 50
SCALE: 1"=50'

DAGGETT SURVEYING, INC.
P.O. BOX NO.2789
FARMINGTON, NEW MEXICO 87401
(505) 326-1772
REGISTERED LAND SURVEYOR
NEW MEXICO No.8894

A SURVEY FOR
SNYDER OIL
GAS PIPELINE
PAYNE NO. 1

CH/4 SEC. 35, T. 31 N., R. 13 W., N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



NOTES:

- 1.) BASIS OF BEARING: C.L.O. RECORD BEARING BETWEEN THE SOUTHEAST CORNER & THE EAST QUARTER CORNER OF SECTION 35, TOWNSHIP 31 NORTH, RANGE 13 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. BEARS: N 01° 03' E

OWNER	STATION	FT./RODS
B.L.M.	0+00	2+83.98
		283.98/17.21

DATE: 10-7-93

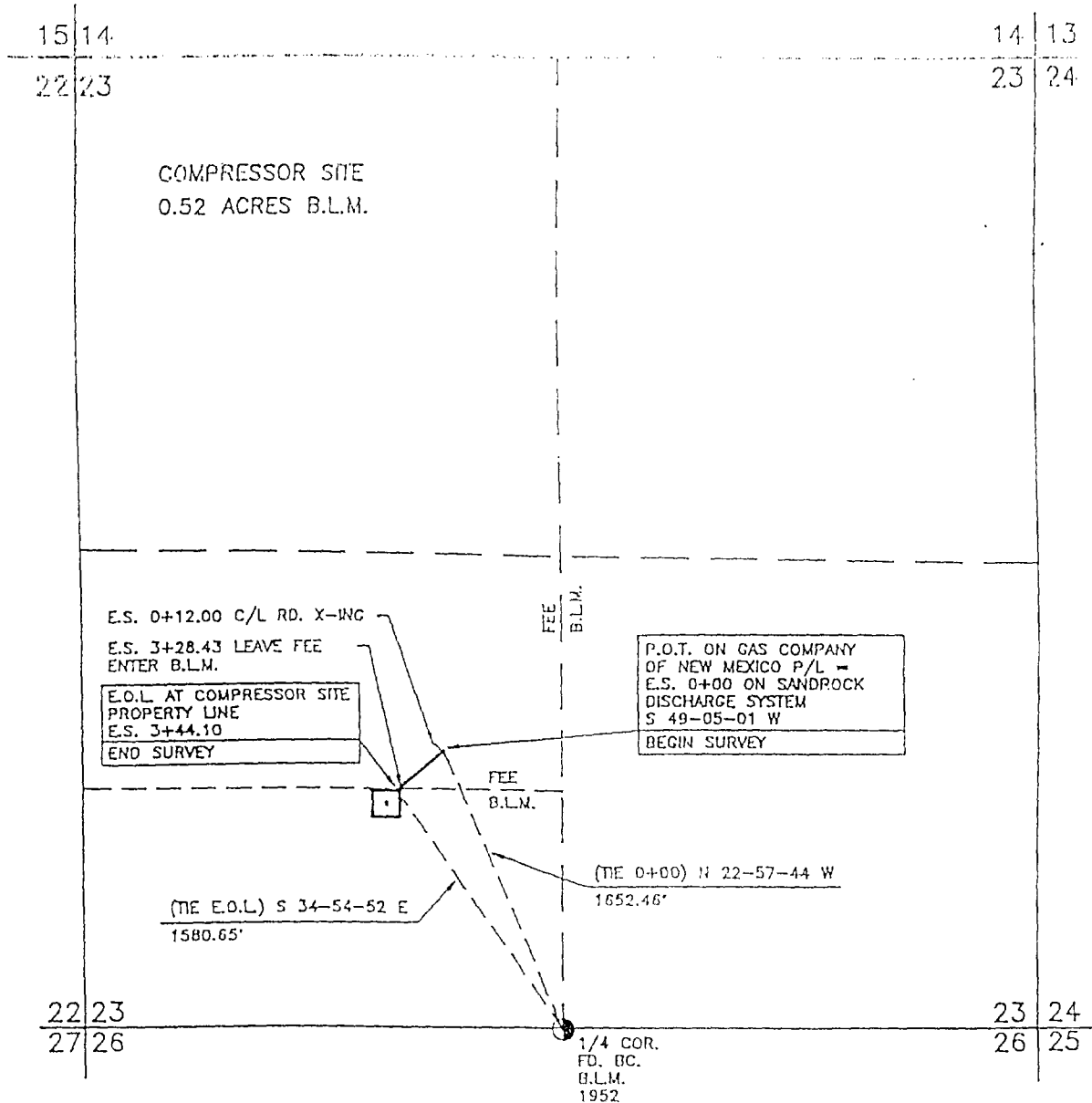
I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

11 of 34

DAAGETT SURVEYING, INC.
P.O. BOX NO. 2789
FARMINGTON, NEW MEXICO
(505) 326-17
REGISTERED LAND SURVEYOR
NEW MEXICO No. 88.

SNYDER OIL GAS PIPELINE SANDROCK DISCHARGE SYSTEM

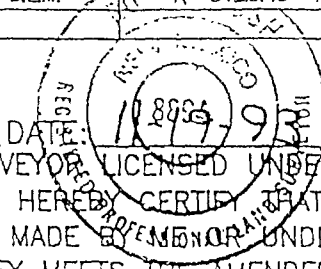
SW/4 SEC. 23, T. 31 N., R. 13 W., N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



NOTES:

- 1.) BASIS OF BEARING: C.L.O. RECORD BEARING BETWEEN THE SW CORNER & THE SOUTH QUARTER CORNER OF SECTION 23, TOWNSHIP 31 NORTH, RANGE 13 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO. BEARS: N 89° 54' W

OWNER	STATION	FT./RODS
FEE	0+00 TO 3+28.43	328.43/19.90
B.L.M.	3+28.43 TO 3+44.10	15.67/0.95



DATE: 11-8-93

I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

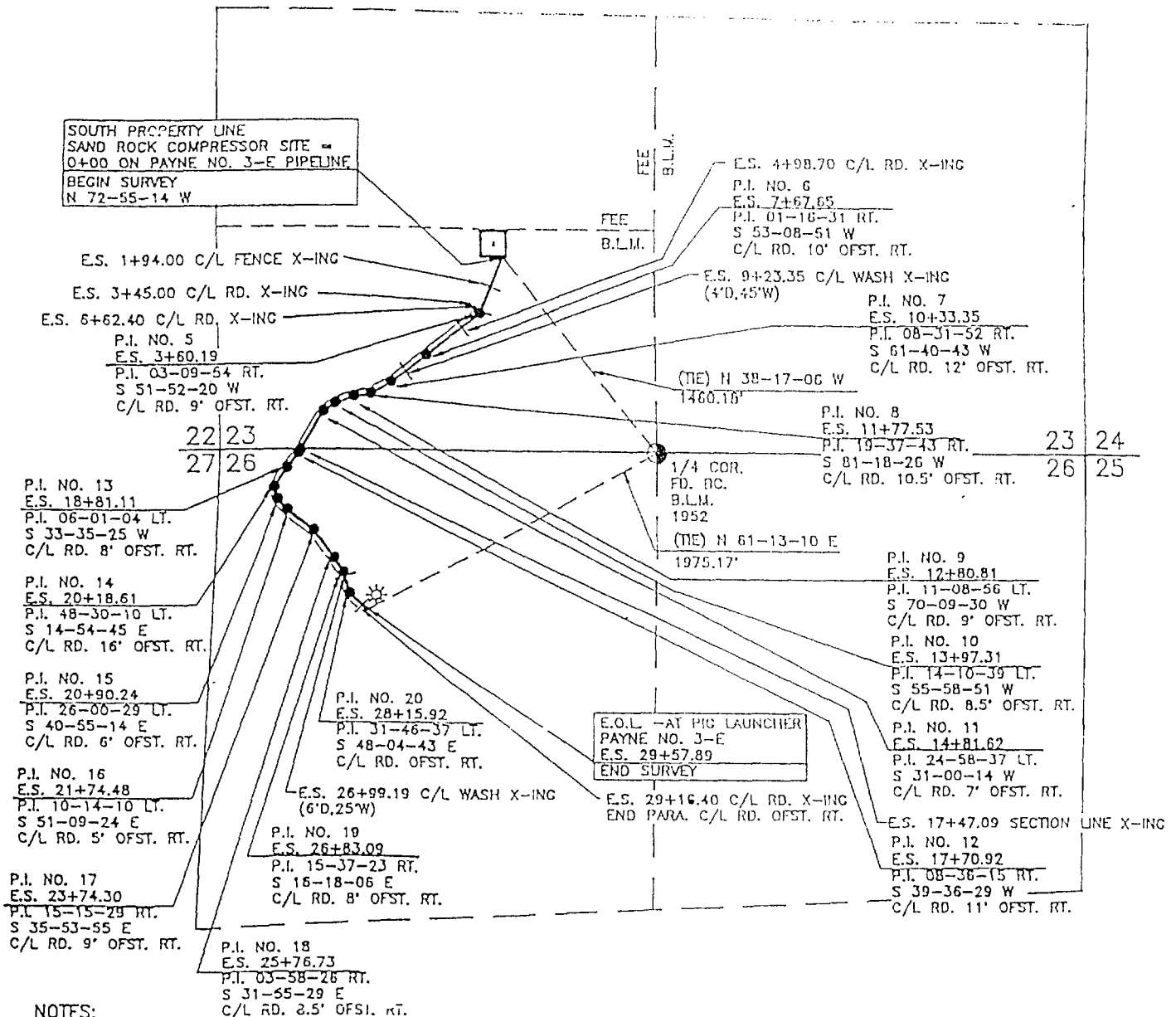
LC.	R.D.R.	11/93
REVISION	REV. BY	DATE

0 500 1000
SCALE: 1"=1000'

DAGGETT SURVEYING, INC.
P.O. BOX NO.2789
FARMINGTON, NEW MEXICO 87401
(505) 326-1772
REGISTERED LAND SURVEYOR

SNYDER OIL GAS PIPELINE PAYNE NO. 3-E

SE/4 SEC. 23, NE/4 SEC. 26, T. 31 N., R. 13 W., N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



NOTES:

- 1.) BASIS OF BEARING: G.L.O. RECORD BEARING BETWEEN THE SW CORNER & THE SOUTH QUARTER CORNER OF SECTION 23, TOWNSHIP 31 NORTH, RANGE 13 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO.
BEARS: N 89° 54' W

OWNER	STATION		FT./RODS
B.L.M.	0+00	TO 29+57.89	2957.89/179.27

DATE: 9/24/93

I, ROY A. RUSH, A DULY QUALIFIED LAND SURVEYOR LICENSED UNDER THE LAWS OF THE STATE OF NEW MEXICO, DO HEREBY CERTIFY THAT THIS PLAT CORRECTLY REPRESENTS A SURVEY MADE BY ME OR UNDER MY DIRECT SUPERVISION AND THAT THIS SURVEY MEETS THE AMENDED MINIMUM STANDARDS FOR LAND SURVEYS IN NEW MEXICO.

0 500 1000
SCALE: 1"=1000'

DAGGETT SURVEYING, INC.
P.O. BOX NO.2789
FARMINGTON, NEW MEXICO 87401
(505) 326-1772
REGISTERED LAND SURVEYOR
NEW MEXICO No 8894

N/2 & THE SW/4 SEC. 35, T.31 N., R.13 W., N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



1.) BASIS OF BEARING: G.L.O. RECORD BEARING BETWEEN THE SOUTHEAST CORNER & THE EAST QUARTER CORNER OF SECTION 35, TOWNSHIP 31 NORTH, RANGE 13 WEST, N.M.P.M., SAN JUAN COUNTY, NEW MEXICO.
BEARS: N 61° 03' E

DATE 10-7-93
SURVEYOR LICENSED UNDER
I HEREBY CERTIFY THAT
MADE BY MAJOR UNDER

14 of 34

REVISION REV. BY DATE
DAGGETT SURVEYING, INC.
P.O. BOX NO.2789
FARMINGTON, NEW MEXICO 87401
(505) 326-1772
REGISTERED LAND SURVEYOR
NEW MEXICO No. 5594

Legend for Sugden Oil Corporation's Site Facility Diagram

Item	Symbol	Item	Symbol
Separator (a) Phase (b) Ownership (c) Formation		Sugden Oil Corporation Northwest Pipeline Corporation El Paso Natural Gas Company Gas Company of New Mexico Sutnera Gas Gathering Company	Sugden NWP EPNG GNM SGG
Storage Tank (a) Size (b) Tank Number (c) Gauge Method (d) Ownership (e) Formation			
Dehydrator (a) Ownership			
Water Pit Tank (a) Size (b) Open or closed top (c) Ownership			
Pit			
Underground 2 Phase Separator (a) Ownership (b) Drain Line			
Gas Sales Meter Run (a) Ownership (b) Meter Number (c) Formation			
Flowlines (a) Direction (b) Gas, Oil, Water combined (c) Gas (d) Oil (e) Water (f) Buried (g) Above Ground (h) Open System (i) Closed System (j) Ownership Responsibility (k) Pressure Vent Line			
Valves (a) Check (b) Sealed (c) Oil Sales (d) Water Drain			
Wellhead (a) Number of Formations Producing			
Pipeline Connection			

Gas Company of New Mexico
Bloomfield, NM
CERTIFICATE OF ANALYSIS

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Site ID: 102468
Site Name: PAYNE
Operator: SNYDER OIL CORPORATION

Analysis ID: 101737

0003

Analyzer ID:
Effective Date: 08/05/93

Analysis Code:
Analyzed Date: 08/06/93

Sample Date: 08/05/93
Sample Type:
Sampled By:

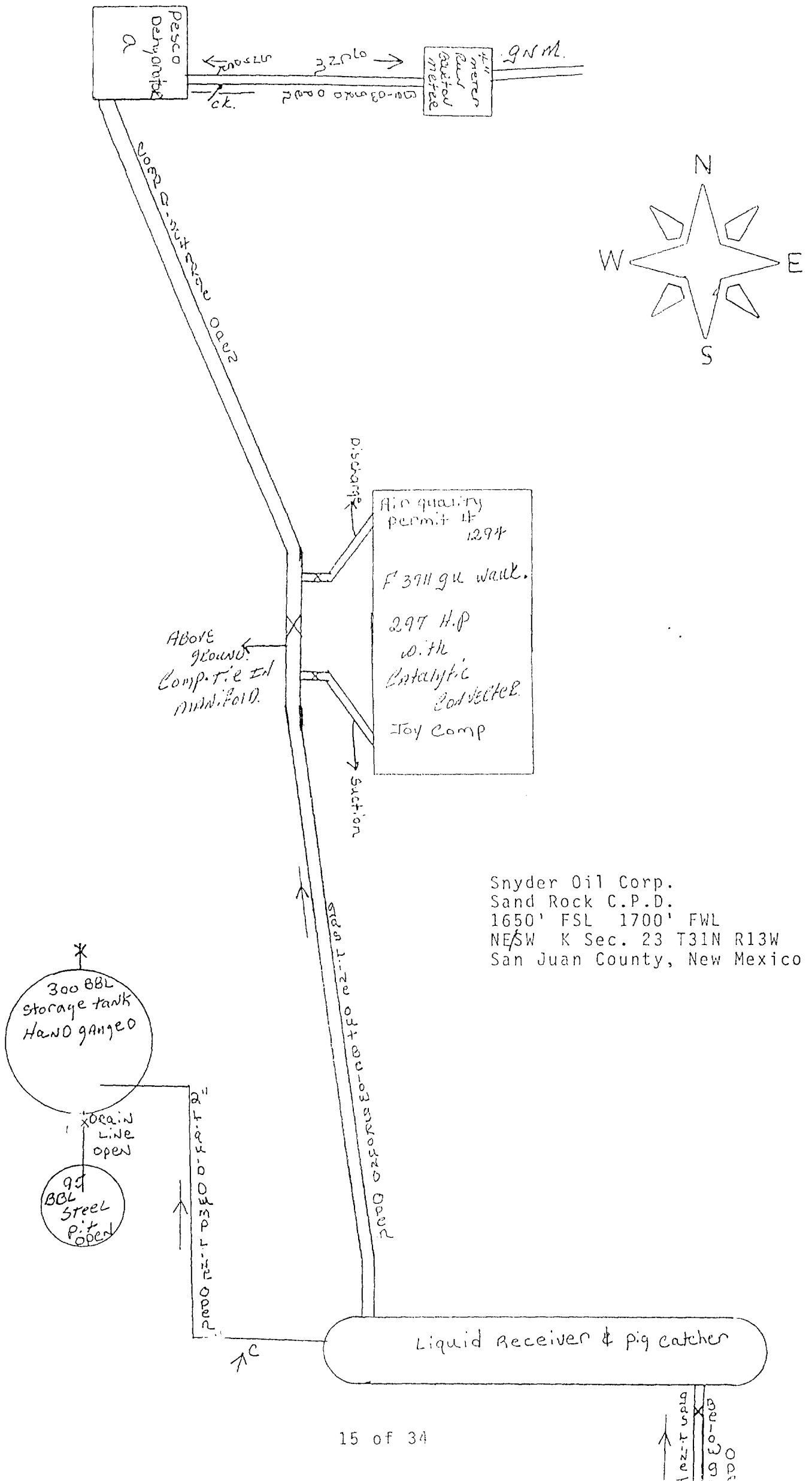
Component	Mol %	GPM
CO2	1.6100	
N2	0.4100	
Methane	80.8000	
Ethane	10.3200	2.761
Propane	4.1500	1.144
I-butane	0.5200	0.169
N-butane	0.9000	0.284
I-pentane	0.4300	0.156
N-pentane	0.4300	0.154
Hexanes (C6+)	0.4300	0.167
TOTAL	100.0000	4.835

Calculation Parameters:

Sample Gravity: 0.7114
Sample Pressure: 0.0
Sample Temperature: 0.0

Dry BTU @ 14.730: 1211.0000

Remark:



SOUTHERN UNION GATHERING COMPANY
REPORT OF BTU TEST RESULTS

TO: COLUMBUS ENERGY CORP (172)

REF: NANCE 1
7070
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 3/25/93
DATE OF LAST TEST: 9/04/91
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.7522
BTU/CF @ 14.73/60F/DRY: 1273.4

	MOL %	G. P. M.
CARBON DIOXIDE	1.570	0.0000
NITROGEN	0.500	0.0000
METHANE	77.990	0.0000
ETHANE	10.780	2.8840
PROPANE	4.930	1.3590
ISOBUTANE	0.710	0.2330
N-BUTANE	1.300	0.4090
ISOPENTANE	0.480	0.1770
N-PENTANE	0.540	0.1940
HEXANE +	1.200	0.4640
	-----	-----
TOTAL	100.000	5.7200

SOUTHERN UNION GATHERING COMPANY
REPORT OF BTU TEST RESULTS

TO: COLUMBUS ENERGY CORP (172)

REF: PAYNE 1
7008
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 3/25/93
DATE OF LAST TEST: 8/05/92
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.7341
BTU/CF @ 14.73/60F/DRY: 1247.4

	MOL %	G. P. M.
CARBON DIOXIDE	1.490	0.0000
NITROGEN	0.540	0.0000
METHANE	78.070	0.0000
ETHANE	11.800	3.1570
PROPANE	4.900	1.3500
ISOBUTANE	0.670	0.2200
N-BUTANE	1.140	0.3610
ISOPENTANE	0.380	0.1390
N-PENTANE	0.350	0.1270
HEXANE +	0.650	0.2520
	-----	-----
TOTAL	99.990	5.6060

Gas Company of New Mexico
Bloomfield, NM
CERTIFICATE OF ANALYSIS

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Site ID: 102724
Site Name: ROURKE
Operator: SNYDER OIL CORPORATION

0001

Analysis ID: 102571

Analyzer ID:
Effective Date: 09/30/93

Analysis Code:
Analyzed Date: 10/01/93

Sample Date: 09/30/93
Sample Type:
Sampled By:

Component	Mol %	GPM
CO2	1.5000	
N2	0.5500	
Methane	80.5800	
Ethane	9.9100	2.651
Propane	4.5400	1.251
I-butane	0.6900	0.224
N-butane	1.2000	0.378
I-pentane	0.3300	0.121
N-pentane	0.2800	0.102
Hexanes (C6+)	0.4200	0.165
TOTAL	100.0000	4.892

Calculation Parameters:

Sample Gravity: 0.7147
Sample Pressure: 0.0
Sample Temperature: 0.0

Dry BTU @ 14.730: 1216.7000

Remark:

Gas Company of New Mexico
Bloomfield, NM
CERTIFICATE OF ANALYSIS

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Site ID: 102677
Site Name: TEMPLETON 0001
Operator: SNYDER OIL CORPORATION

Analysis ID: 101909

Analyzer ID:
Effective Date: 08/18/93

Analysis Code:
Analyzed Date: 08/19/93

Sample Date: 08/18/93
Sample Type:
Sampled By:

Component	Mol %	GPM
CO2	1.4300	
N2	0.3700	
Methane	79.3500	
Ethane	10.9000	2.915
Propane	4.6400	1.279
I-butane	0.7400	0.241
N-butane	1.4400	0.454
I-pentane	0.5000	0.184
N-pentane	0.4200	0.150
Hexanes (C6+)	0.2200	0.087
TOTAL	100.0100	5.310

Calculation Parameters:

Sample Gravity: 0.7243
Sample Pressure: 0.0
Sample Temperature: 0.0

Dry BTU @ 14.730: 1236.7000

Remark:

Gas Company of New Mexico
Bloomfield, NM
CERTIFICATE OF ANALYSIS

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Site ID: 102606
Site Name: COMPASS
Operator: SNYDER OIL CORPORATION

0001

Analysis ID: 100927

Analyzer ID:
Effective Date: 06/22/93

Analysis Code:
Analyzed Date: 06/22/93

Sample Date: 06/22/93
Sample Type:
Sampled By:

Component	Mol %	GPM
CO2	1.3600	
N2	0.4200	
Methane	79.5300	
Ethane	10.2000	2.729
Propane	4.4100	1.216
I-butane	0.7900	0.258
N-butane	1.3500	0.424
I-pentane	0.6100	0.222
N-pentane	0.4800	0.175
Hexanes (C6+)	0.2500	0.331
TOTAL	100.0000	5.355

Calculation Parameters:

Sample Gravity: 0.7369
Sample Pressure: 0.0
Sample Temperature: 0.0

Dry BTU @ 14.730: 1256.4000

Remark:

SOUTHERN UNION GATHERING COMPANY
REPORT OF BTU TEST RESULTS

TO: COLUMBUS ENERGY CORP (172)

REF: PAYNE 4
9472
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 5/18/93
DATE OF LAST TEST: 12/09/92
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.6549
BTU/CF @ 14.73/60F/DRY: 1158.6

	MDL %	G. P. M.
CARBON DIOXIDE	0.030	0.0000
NITROGEN	0.450	0.0000
METHANE	88.350	0.0000
ETHANE	5.640	1.5080
PROPANE	3.040	0.8390
ISOBUTANE	0.690	0.2250
N-BUTANE	0.740	0.2330
ISOPENTANE	0.290	0.1070
N-PENTANE	0.180	0.0650
HEXANE +	0.380	0.1500
	-----	-----
TOTAL	99.990	3.1270

SOUTHERN UNION GATHERING COMPANY
REPORT OF BTU TEST RESULTS

TO: COLUMBUS ENERGY CORP (172)

REF: PAYNE 1E
4908
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 5/09/93
DATE OF LAST TEST: 12/09/92
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.6982
BTU/CF @ 14.73/60F/DRY: 1195.9

	MOL %	G. P. M.
CARBON DIOXIDE	1.280	0.0000
NITROGEN	0.580	0.0000
METHANE	82.140	0.0000
ETHANE	9.850	2.6350
PROPANE	3.720	1.0240
ISOBUTANE	0.500	0.1630
N-BUTANE	0.860	0.2700
ISOPENTANE	0.260	0.0950
N-PENTANE	0.230	0.0830
HEXANE +	0.590	0.2290
	-----	-----
TOTAL	100.010	4.4990

STATIONS CO-MINGLED UNDER THIS STATION NUMBER:

490830
4284M4

SOUTHERN UNION GATHERING COMPANY
REPORT OF BTU TEST RESULTS

TO: COLUMBUS ENERGY CORP (172)

REF: KAUFMAN 1
2601
NORTHWEST NEW MEXICO (70)

DATE OF THIS TEST: 5/19/93
DATE OF LAST TEST: 12/09/92
TEST FREQUENCY: NOT SPECIFIED

RESULTS: SPECIFIC GRAVITY: 0.6762
BTU/CF @ 14.73/60F/DRY: 1190.0

	MOL %	G. P. M.
CARBON DIOXIDE	1.510	0.0000
NITROGEN	0.410	0.0000
METHANE	82.060	0.0000
ETHANE	9.850	2.6340
PROPANE	3.880	1.0690
ISOBUTANE	0.590	0.1910
N-BUTANE	0.930	0.2940
ISOPENTANE	0.280	0.1010
N-PENTANE	0.210	0.0760
HEXANE +	0.290	0.1130
	-----	-----
TOTAL	100.010	4.4780

COMPANY Snyder Oil Corporation FORMATION _____
WELL PAYNE 2E DAKOTA COUNTY SAN JUAN
FIELD LA PLATA STATE NEW MEXICO

HYDROCARBON ANALYSIS OF: METER RUN

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Carbon Dioxide	.47	
Nitrogen	1.99	
Methane	79.90	
Ethane	10.51	2.794
Propane	4.08	1.116
iso-Butane	.64	.208
n-Butane	1.01	.316
iso-Pentane	.30	.109
n-Pentane	.24	.086
Hexanes Plus	<u>.86</u>	<u>.368</u>
	100.00	4.997

Calculated gas gravity (air = 1.000) = .714

Calculated gross heating value = 1212 BTU per
cubic foot of dry gas at 14.65 psia and 60° F.

Collected at 288 psig and 73.5° F.

Dated Sampled: 4-20-93
Cylinder Number: 878

COMPANY Snyder Oil Corporation FORMATION _____
WELL PAYNE 3E GALLUP COUNTY SAN JUAN
FIELD LA PLATA STATE NEW MEXICO

HYDROCARBON ANALYSIS OF: METER RUN

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Carbon Dioxide	.75	
Nitrogen	.38	
Methane	79.66	
Ethane	11.62	3.089
Propane	4.57	1.250
iso-Butane	.49	.159
n-Butane	1.16	.363
iso-Pentane	.31	.112
n-Pentane	.31	.111
Hexanes Plus	<u>.75</u>	<u>.321</u>
	100.00	5.405

Calculated gas gravity (air = 1.000) = .718

Calculated gross heating value = 1239 BTU per
cubic foot of dry gas at 14.65 psia and 60° F.

Collected at 301 psig and 58° F.

Dated Sampled: 4-20-93
Cylinder Number: 9EK0709

COMPANY Snyder Oil Corporation FORMATION _____
WELL PAYNE 3E DAKOTA COUNTY SAN JUAN
FIELD LA PLATA STATE NEW MEXICO

HYDROCARBON ANALYSIS OF: METER RUN

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Carbon Dioxide	1.58	
Nitrogen	.35	
Methane	78.91	
Ethane	10.86	2.887
Propane	4.68	1.280
iso-Butane	.74	.240
n-Butane	1.24	.388
iso-Pentane	.35	.127
n-Pentane	.30	.108
Hexanes Plus	<u>.99</u>	<u>.424</u>
	100.00	5.454

Calculated gas gravity (air = 1.000) = .736

Calculated gross heating value = 1239 BTU per
cubic foot of dry gas at 14.65 psia and 60° F.

Collected at 304 psig and 69° F.

Dated Sampled: 4-20-93

Cylinder Number: W76

COMPANY Snyder Oil Corporation FORMATION _____
WELL KAUFMAN COM 1E GALLUP COUNTY SAN JUAN
FIELD LA PLATA STATE NEW MEXICO

HYDROCARBON ANALYSIS OF: METER RUN

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Carbon Dioxide	.76	
Nitrogen	.56	
Methane	80.06	
Ethane	10.85	2.885
Propane	4.81	1.316
iso-Butane	.52	.169
n-Butane	1.40	.438
iso-Pentane	.28	.101
n-Pentane	.26	.093
Hexanes Plus	<u>.50</u>	<u>.214</u>
	100.00	5.216

Calculated gas gravity (air = 1.000) = .713

Calculated gross heating value = 1228 BTU per
cubic foot of dry gas at 14.65 psia and 60° F.

Collected at 388 psig and 60° F.

Dated Sampled: 4-20-93
Cylinder Number: 997

COMPANY Snyder Oil Corporation FORMATION _____
 WELL KAUFMAN COM 1E DAKOTA COUNTY SAN JUAN
 FIELD LA PLATA STATE NEW MEXICO

HYDROCARBON ANALYSIS OF: METER RUN

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Carbon Dioxide	1.56	
Nitrogen	.54	
Methane	81.95	
Ethane	9.38	2.494
Propane	3.67	1.004
iso-Butane	.60	.195
n-Butane	.92	.288
iso-Pentane	.27	.098
n-Pentane	.22	.079
Hexanes Plus	<u>.89</u>	<u>.381</u>
	100.00	4.539

Calculated gas gravity (air = 1.000) = .707

Calculated gross heating value = 1198 BTU per
 cubic foot of dry gas at 14.65 psia and 60° F.

Collected at 387 psig and 63.5° F.

Dated Sampled: 4-20-93

Cylinder Number: 7377

COMPANY Snyder Oil Corporation FORMATION _____
WELL ROURKE 1E GALLUP COUNTY SAN JUAN
FIELD LA PLATA STATE NEW MEXICO

HYDROCARBON ANALYSIS OF: METER RUN

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Carbon Dioxide	1.56	
Nitrogen	.54	
Methane	81.95	
Ethane	9.38	2.494
Propane	3.67	1.004
iso-Butane	.60	.195
n-Butane	.92	.288
iso-Pentane	.27	.098
n-Pentane	.22	.079
Hexanes Plus	<u>.89</u>	<u>.381</u>
	100.00	4.539

Calculated gas gravity (air = 1.000) = .707

Calculated gross heating value = 1198 BTU per
cubic foot of dry gas at 14.65 psia and 60° F.

Collected at 387 psig and 63.5° F.

Dated Sampled: 4-20-93

Cylinder Number: 7377

COMPANY Snyder Oil Corporation FORMATION _____
WELL ROURKE 1E DAKOTA COUNTY SAN JUAN
FIELD LA PLATA STATE NEW MEXICO

HYDROCARBON ANALYSIS OF: METER RUN

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Carbon Dioxide	1.58	
Nitrogen	.34	
Methane	78.93	
Ethane	10.86	2.887
Propane	4.68	1.280
iso-Butane	.74	.240
n-Butane	1.24	.388
iso-Pentane	.35	.127
n-Pentane	.30	.108
Hexanes Plus	<u>.99</u>	<u>.424</u>
	100.00	5.454

Calculated gas gravity (air = 1.000) = .736

Calculated gross heating value = 1245 BTU per
cubic foot of dry gas at 14.65 psia and 60° F.

Collected at 304 psig and 69° F.

Dated Sampled: 4-20-93
Cylinder Number: W76

COMPANY Snyder Oil Corporation FORMATION _____
WELL NANCE 1E GALLUP COUNTY SAN JUAN
FIELD LA PLATA STATE NEW MEXICO

HYDROCARBON ANALYSIS OF: METER RUN

<u>Component</u>	<u>Mol Percent</u>	<u>GPM</u>
Carbon Dioxide	1.58	
Nitrogen	.53	
Methane	81.94	
Ethane	9.38	2.494
Propane	3.67	1.004
iso-Butane	.60	.195
n-Butane	.92	.288
iso-Pentane	.27	.098
n-Pentane	.22	.079
Hexanes Plus	<u>.89</u>	<u>.381</u>
	100.00	4.539

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Dated Sampled: 4-20-93
Cylinder Number: 7377

