

EXHIBIT 5

Barker Dome

Colorado
New Mexico

Durango

Exploration Well

Aztec

Farmington

Mesa Verde
Production

San Juan Basin

Pennsylvanian Wells

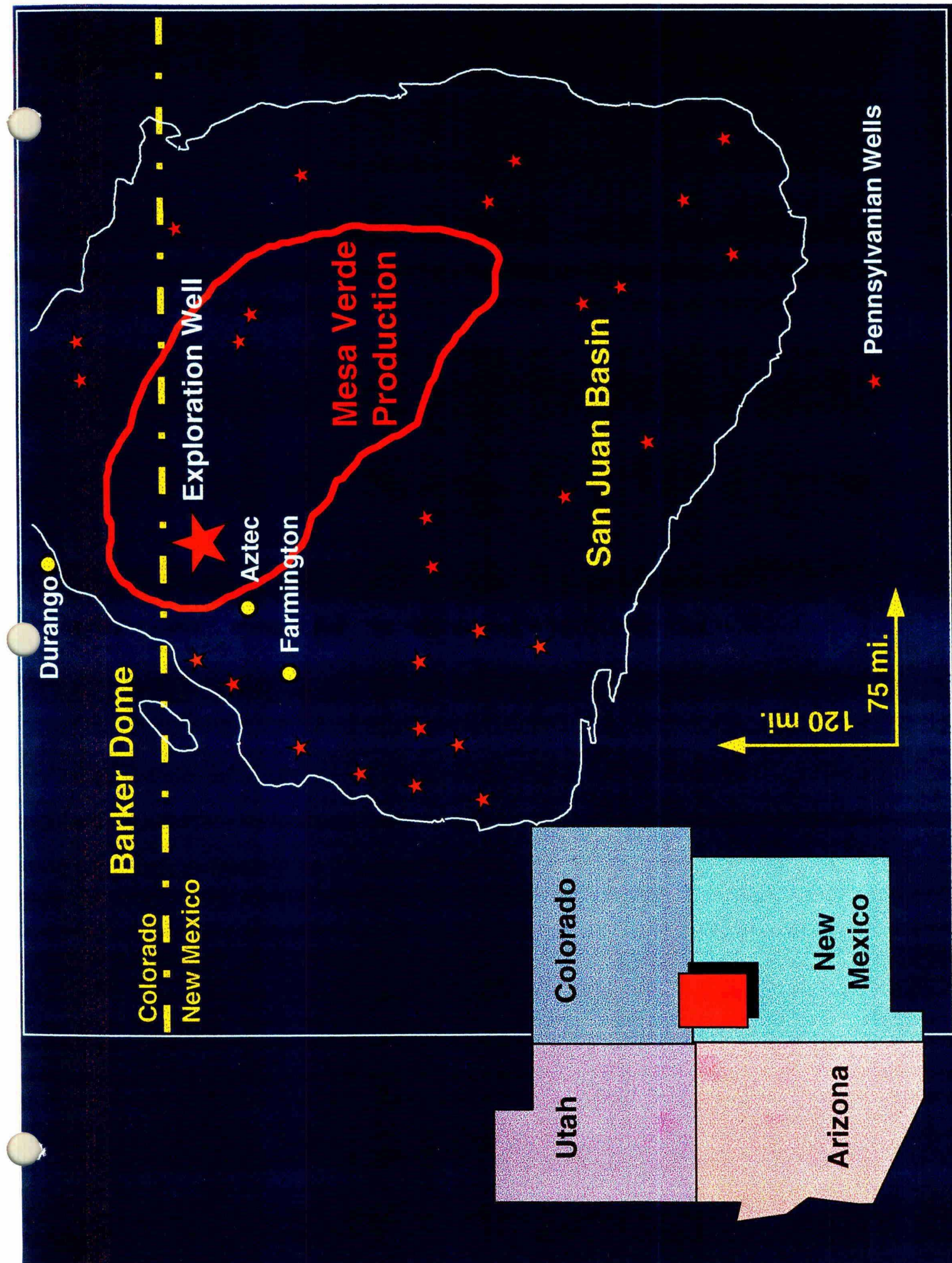
120 mi.
75 mi.

Colorado

New
Mexico

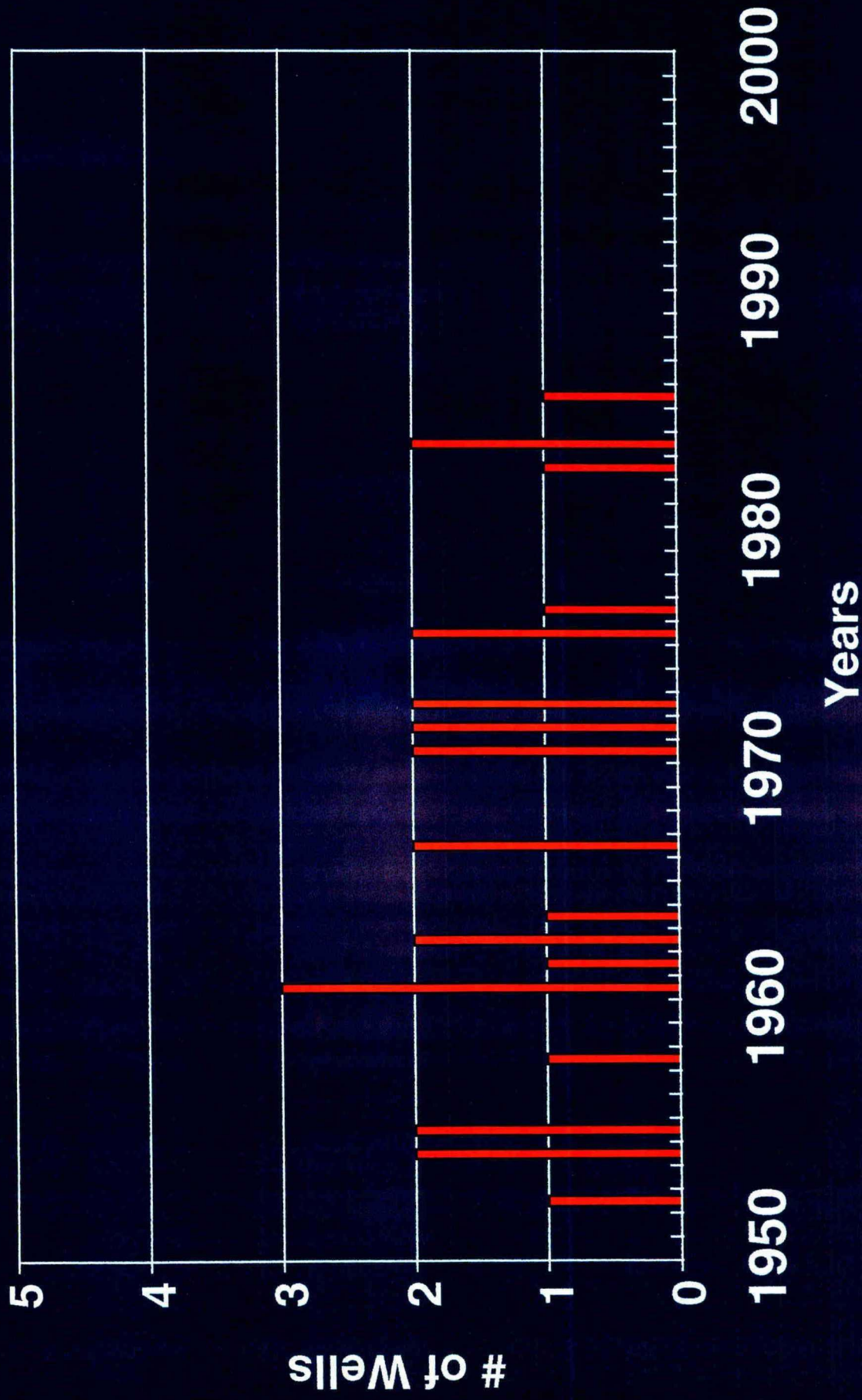
Utah

Arizona



Pennsylvanian Exploration Well Histogram

San Juan Basin



28 Wells

Well Profile

Challenges

Wet - Ojo Alamo &
Fruitland

Lost Circulation

Depleted - Mesa Verde
2.0 ppg

Air Drilling

Wet - Morrison

Lost Circulation

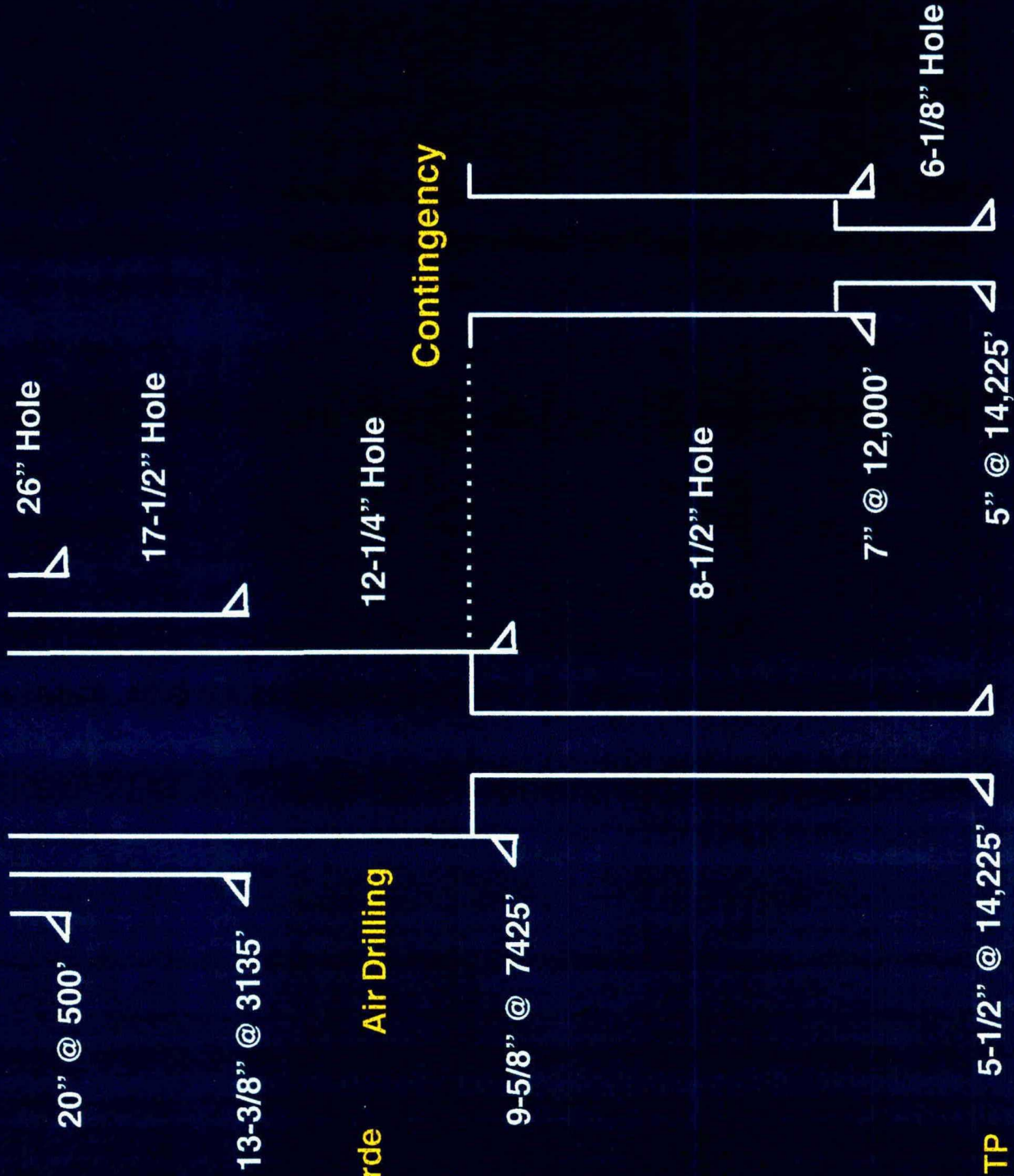
Pennsylvanian

H₂S - 1%, CO₂ - 1%

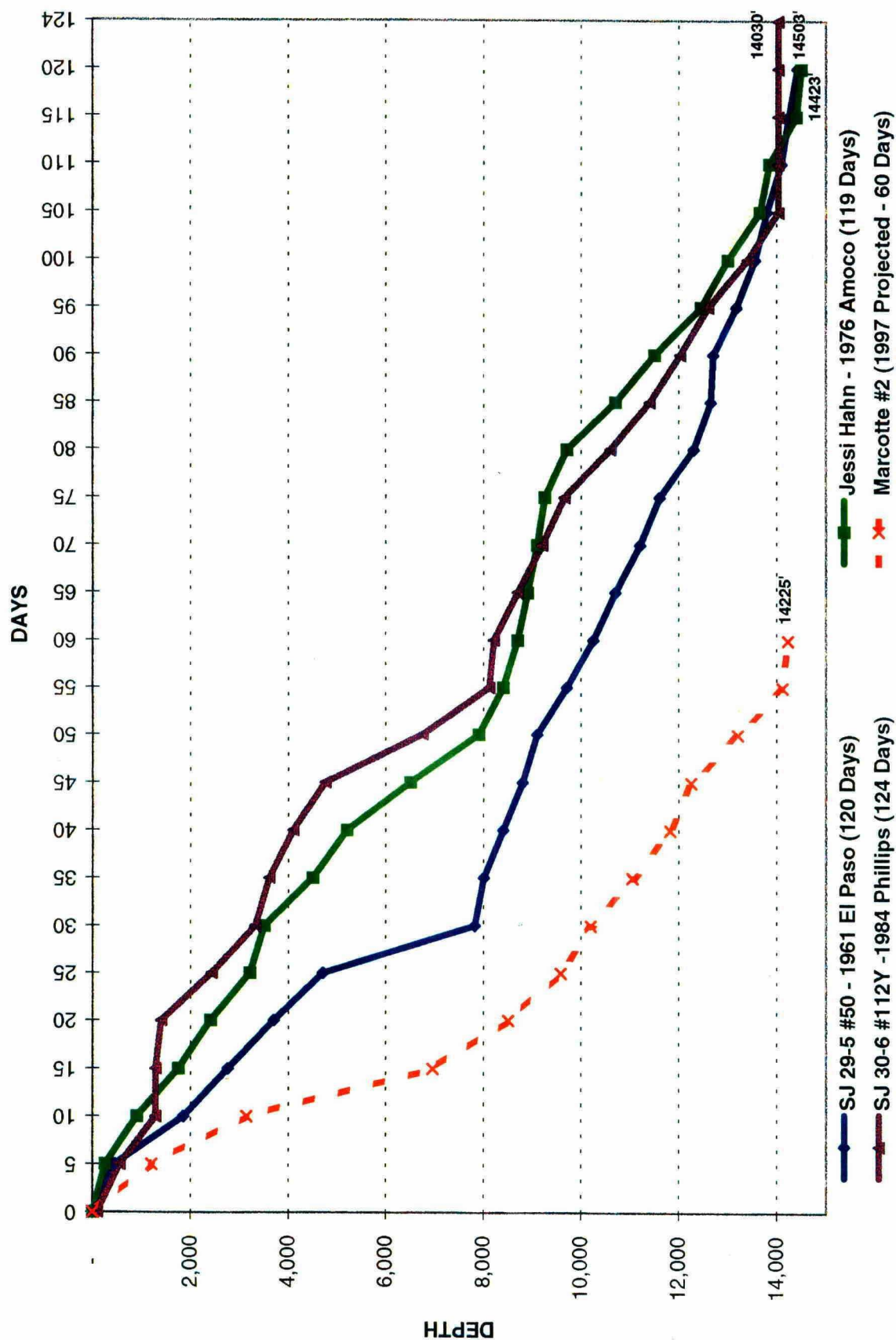
BHT @ 350 Deg. F

BHP @ 6700 psi

Stim: 10,000 psi BHTP



MARCOTTE #2 - DAYS VS DEPTH COMPARISON



Logistical Challenges

- Regulatory Requirements
- Remote Location
- Deep Well Experience
- Drilling Equipment
- Materials
- Close Proximity to Residences

BURLINGTON RESOURCES
Farmington Region
Post Office Box 4289
Farmington, New Mexico, 87499
(505) 326-9700

AUTHORITY FOR EXPENDITURE

AFE No.: _____ Property Number: _____ Date: 2/20/97

Lease/Well Name: Scott #24 DP Number: _____

Field Prospect: San Juan Basin Penn Operator: Burlington Resources Region: Farmington

Location: Sec. 9, T31N, R10W County: San Juan State: NM

AFE Type: 1 - New Drill Original: X Supplement: _____ Addendum: _____ API Well Type: _____

Objective Formation: Pennsylvanian Authorized Total Depth (Feet): 14,000'

Project Description: Pennsylvanian test in San Juan Basin - Exploratory well - Arch Rock Prospect

Estimated Start Date: 2nd Qtr 1997

Prepared By: C. E. Lane

Estimated Completion Date: 2nd Qtr 1997

GROSS WELL DATA

	Drilling		Workover/ Completion	Construction Facility	Total
	Dry Hole	Suspended			
Days:	<u>58</u>	<u>2</u>	<u>12</u>	<u>0</u>	<u>72</u>
This AFE:	<u>\$1,713,800</u>	<u>\$77,100</u>	<u>\$407,073</u>	<u>\$119,000</u>	<u>\$2,316,973</u>
Prior AFE's:	<u>0</u>				<u>\$0</u>
TOTAL COSTS:	<u>\$1,713,800</u>	<u>\$77,100</u>	<u>\$407,073</u>	<u>\$119,000</u>	<u>\$2,316,973</u>

JOINT INTEREST OWNERS

Company:	Working Interest Percent	Dry Hole \$	Completed \$
Burlington Resources:	<u>10.311905%</u>	<u>\$ 176,725</u>	<u>\$ 238,974</u>
Trust:	<u>0.00%</u>	<u>0</u>	<u>\$0</u>
Others :	<u>90.689507%</u>	<u>\$1,064,514</u>	<u>\$2,101,252</u>
AFE TOTAL:	<u>100.00%</u>	<u>\$1,713,800</u>	<u>\$2,316,973</u>

BURLINGTON RESOURCES APPROVAL

Approved: [Signature] Date: 4/10/97 Title: Asst. Dir. II

Approved: [Signature] Date: 4-14-97 Title: Land Manager

Approved: [Signature] Date: 4/10/97 Title: Manager

Approved: [Signature] Date: 4/10/97 Title: Land Manager

PARTNER APPROVAL

Company Name: _____ Date: _____

Authorized By: _____ Title: _____

Cost Estimate

Well Name:	Scott #24			Prepared By:	Kurt A. Shipley
Location:	Section 9 T-31-N. R-10-W			Date:	2/26/97
AFE Type:	(02) Exploration			Approved By:	
Formation:	Pennsylvanian			Date:	
Proposed TD:	14,225'	Intermediate TD:	3100', 7425'	Area Team:	Penn
Comments:	OH Logs 7425' - 12,000': AIT-SP-GR, Micro-SP-GR, Dens-Neut-Cal-GR-SP, Dipole Sonic				
	OH Logs 12,000' - 14,225': AIT-SP-GR, Micro-SP-GR, Dens-Neut-Cal-GR-SP, Dipole Sonic, Sidewall Cores				

Intangible Costs

Account Number		Estimated Days:	Dry Hole Cost	Suspended Cost	Total Estimated Cost
		58	2	60	
248					
03	Location Cost	4.9 Acre location w/ 30" Conductor Pipe.	35,000	0	35,000
05	Move-in, Move-out	Move in and move out.	200,000	0	200,000
07	Rig Cost	@ \$7000/day	430,000	15,000	445,000
08	Safety Equipment	H2S Monitor 10,500' to TD @ \$600/day	19,000	1,300	20,300
10	Drilling Fluid	LSND, Solids Control, Air Drilling.	137,500	0	137,500
16	Fresh/Salt Water, Fluids		50,000	0	50,000
17	Bits		141,900	0	141,900
18	Cementing	HES Cost Estimate.	98,000	17,000	115,000
22	Coring and Analysis	Sidewall Core Analysis.	20,000	0	20,000
23	Fuel	Air Package Fuel.	22,500	3,000	25,500
25	Rentals	BOP: 10 days @ \$500/day, 3-1/2" D.P. + Misc.	18,500	0	18,500
26	Fishing		0	0	0
28	Other Rentals		5,000	0	5,000
29	Transportation		20,000	0	20,000
32	Directional Services		0	0	0
33	Inspection		7,200	0	7,200
34	Logging Services	OH Logs, Sidewall Cores, Mud Log.	110,000	0	110,000
36	Production Testing		0	0	0
37	Swabbing, Snubbing, Coiled Tubing		0	0	0
39	Stimulation		0	0	0
43	Consultants		0	0	0
44	Technical Contract Services		0	0	0
45	Roustabout Labor	Casing Crews, Welders.	15,000	2,000	17,000
46	Miscellaneous		5,000	0	5,000
49	Packer Rental		0	0	0
53	Environmental Cost		5,000	0	5,000
54	Disposal Cost	Trash Baskets, Toilets.	2,000	0	2,000
60	District Tools	Company Owned Equipment.	5,000	0	5,000
72	Overhead Rig Days	@ \$141/day.	8,500	300	8,800
	Total Intangible Cost		\$1,355,100	\$38,600	\$1,393,700

Tangible Costs

80	Casing	80'	30" Conductor	3,200	315,700	27,500	343,200
		500'	20"	23,000			
		3100'	13-3/8"	86,000			
		7425'	9-5/8"	153,500			
		4775'	7"	50,000			
		2625'	5"	27,500			
81	Tubing				0	0	0
84	Casing & Tubing Equipment				13,000	11,000	24,000
86	Wellhead Equipment		20"X13-3/8" X9-5/8" (10,000 psi)		30,000	0	30,000
	Total Tangible Cost				\$358,700	\$38,500	\$397,200

Total Cost	\$1,713,800	\$77,100	\$1,790,900
-------------------	--------------------	-----------------	--------------------

All Costs include tax where applicable.

Meridian Oil Inc.
Completion Estimate

Well Name: Scott #24
Location: 31N-10W-Sec. 9
AFE Type: New Drill - 01
Formation: Pennsylvanian

Prepared By: C. E. Lane
Date: 3/17/97
Approved By: _____
Date: _____

C E Lane

		Intangible Costs	
		Estimated Days: 15	Total Estimated Cost
Account Number			
249			
02	Location, Roads or Canals		\$100
03	Construction and Maintenance		\$5,000
04	Surface Restoration		\$9,000
05	Move-in, Move-out		\$6,250
06	Fees of Contractor - Footage		\$0
07	Fees of Contractor - Daywork		\$59,950
08	Fire and Safety Equip.		\$8,500
09	Drilling Fluid System - Liquids		
10	Gas and Air Drilling		\$25,000
11			
12	Specialty Fluids and Chemicals		\$500
14	Salv/Brine Water		\$2,500
15	Onsite Disposal Svc.		
16	Fresh Water		\$15,000
17	Bits		\$750
18	Primary Cement & Svc's		\$0
19	Remedial Cementing		\$2,000
23	Fuel / Electricity		\$2,250
24	BOP & Wellhead Rentals(Surface)		\$6,000
25	Drill Work String Rentals		\$1,500
26	Fishing Tool Rentals		\$0
27	Tank Rentals		\$4,000
28	Other Rental		\$3,500
29	Transportation		\$2,250
30	Offsite Disposal Service		
33	Tubular Inspection		\$1,000
34	Cased Hole Services		\$30,000
36	Production Testing		
37	Swabbing & Coiled Tubing		
38	Stimulation		\$10,000
39	Fracturing		\$50,000
40	Casing Crews and Laydown		
41	Gravel Pack/Sand Control		
42	BOP Testing		
43	Consultants		\$10,650
44	Technical Contract Svc.		
45	Roustabout Labor		\$3,000
46	Miscellaneous		\$450
48	Communication Systems		\$500
49	Packer Rental		\$2,200
50	Pumping Charges		
60	Oper. Owned Equip./Facilities		
62	Env. Compliance-Assessment		
63	Env. Compliance (Remediation)		
65	Company Vehicles		
68	Direct Labor		
69	Benefits		
70	Payroll Taxes and Insurance		
72	Company Supervisor		
74	Employee Expense		
79	Employee Meals		
	Total Intangibles		\$261,850
	Tangible Costs		
80	Casing		\$0
81	Tubing and Tiebacks		\$72,223
82	Packers and Bridge Plugs		\$25,000
84	Casing/Liner Equipment		
85	Tubing Equipment		\$3,000
86	Wellhead Equipment & Tree Tbg spool, flange and tree		\$45,000
	Total Tangibles		\$145,223
Total Completion Cost			\$407,073

**Meridian Oil Inc.
Facilities Estimate**

Well Name: Scott #24
Location: Sec 9, T31N R10W
AFE Type: 01-Exploration
Formation: Pennsylvanian

Prepared By: C.E. Lane
Date: 3/17/97
Approved By: _____
Date: _____

CRZ

Tangible Costs

Account Number	Estimated Days:	Total Estimated Cost
247		
02	Labor-Contract, Roustabout, Consultants	15,000
03	Company Vehicles	0
08	Location, Roads & Canals	0
12	Overhead	0
17	Damages, Property Losses	0
20	Equip. Coating and Insulation	0
26	SWD Filtering	0
27	Separators	0
28	Gas Sweetening	0
29	Pumping Units	0
31	Prime Mover	0
32	Tanks	9,500
33	Metering Equipment	15,000
34	Flow Line	0
35	Compressors	0
36	Building	0
39	Flowlines, Piping, Valves & Fittings	11,000
43	Safety	0
44	Technical Contract Svc.	0
47	Rental Compressors & Maintenance	0
48	Rental Equipment	0
49	Cathodic Protection	12,000
50	Right Of Way	2,500
51	Minor Pipelines	0
53	Surface Pumps	0
54	Electrical Accessories	0
55	Miscellaneous-Facility Expense	0
57	Pulling Unit Costs	0
60	Oper. Owned Equip/Facilities	0
62	Env. Compliance-Assessment	0
63	Env. Compliance (Remediation)	0
68	Direct Labor	0
69	Benefits	0
70	Payroll Taxes and Insurance	0
72	Overhead (Contingency 5%)	0
73	Freight/Transportation	0
81	Tubing	0
82	Rods	0
83	Downhole Pumps	0
84	Alternative Artificial Lift Equip.	0
86	Convent Artificial Lift Wellhead Equip.	0
88	Communication Systems	0
95	Employee Meals	0
96	Gas Dehydrator	54,000
Total Facility Cost		119,000