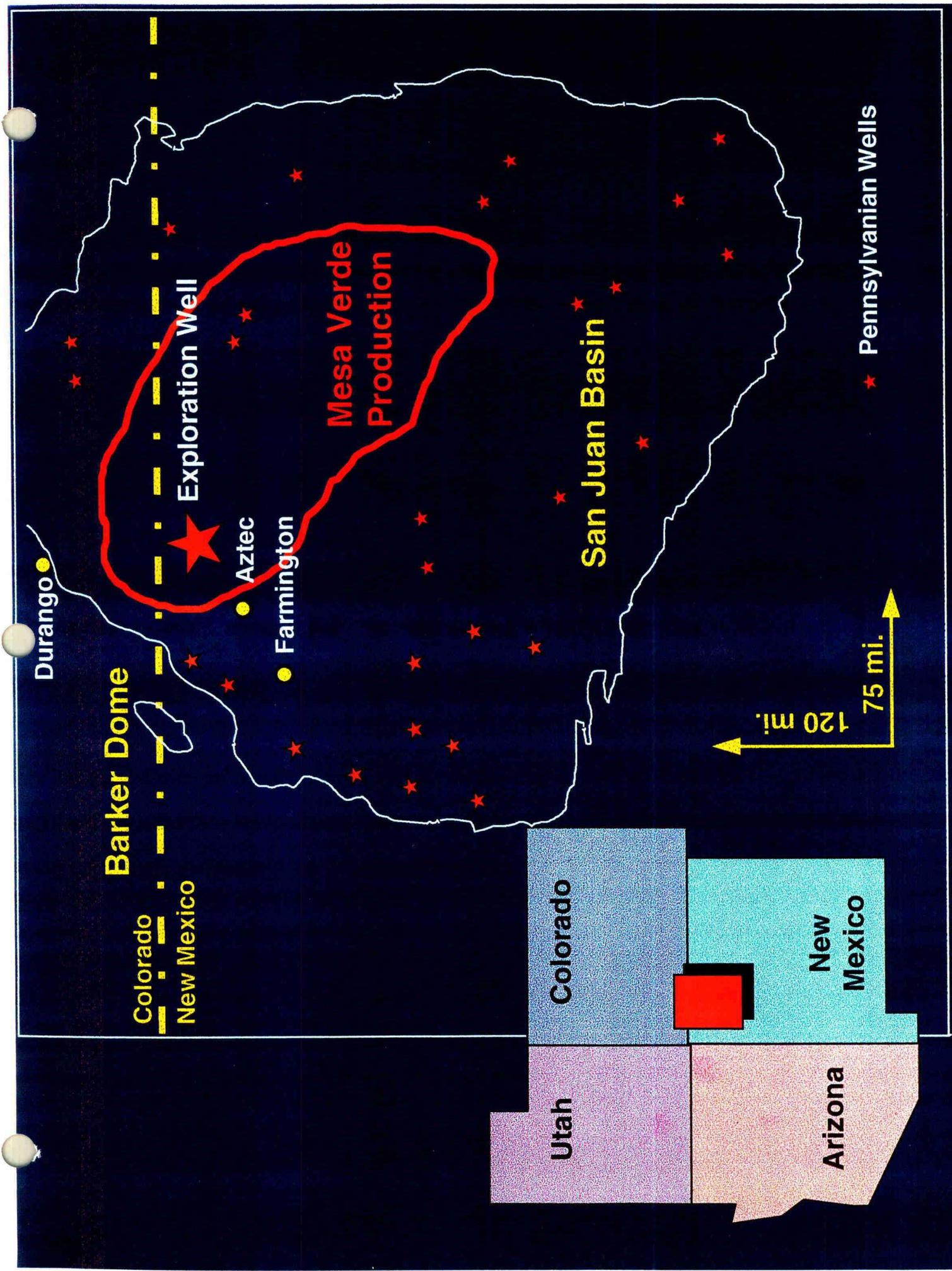


EXHIBIT 5





Durango ●

Barker Dome

Colorado
New Mexico

Exploration Well

Aztec ●

Farmington ●

Mesa Verde
Production

San Juan Basin

Pennsylvanian Wells

120 mi.
75 mi.

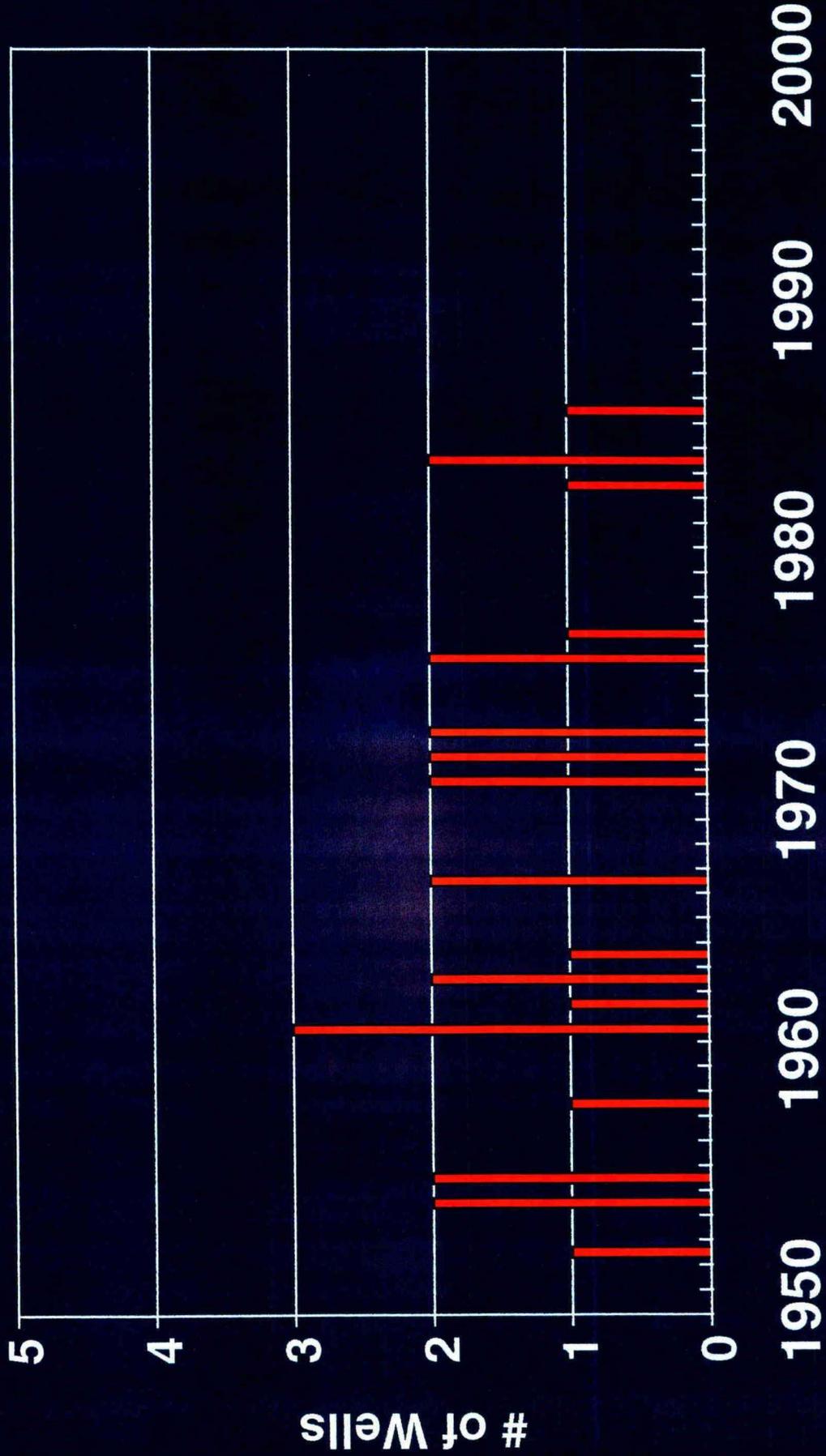
Colorado

Utah

New
Mexico

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

Wet - Morrison

Lost Circulation

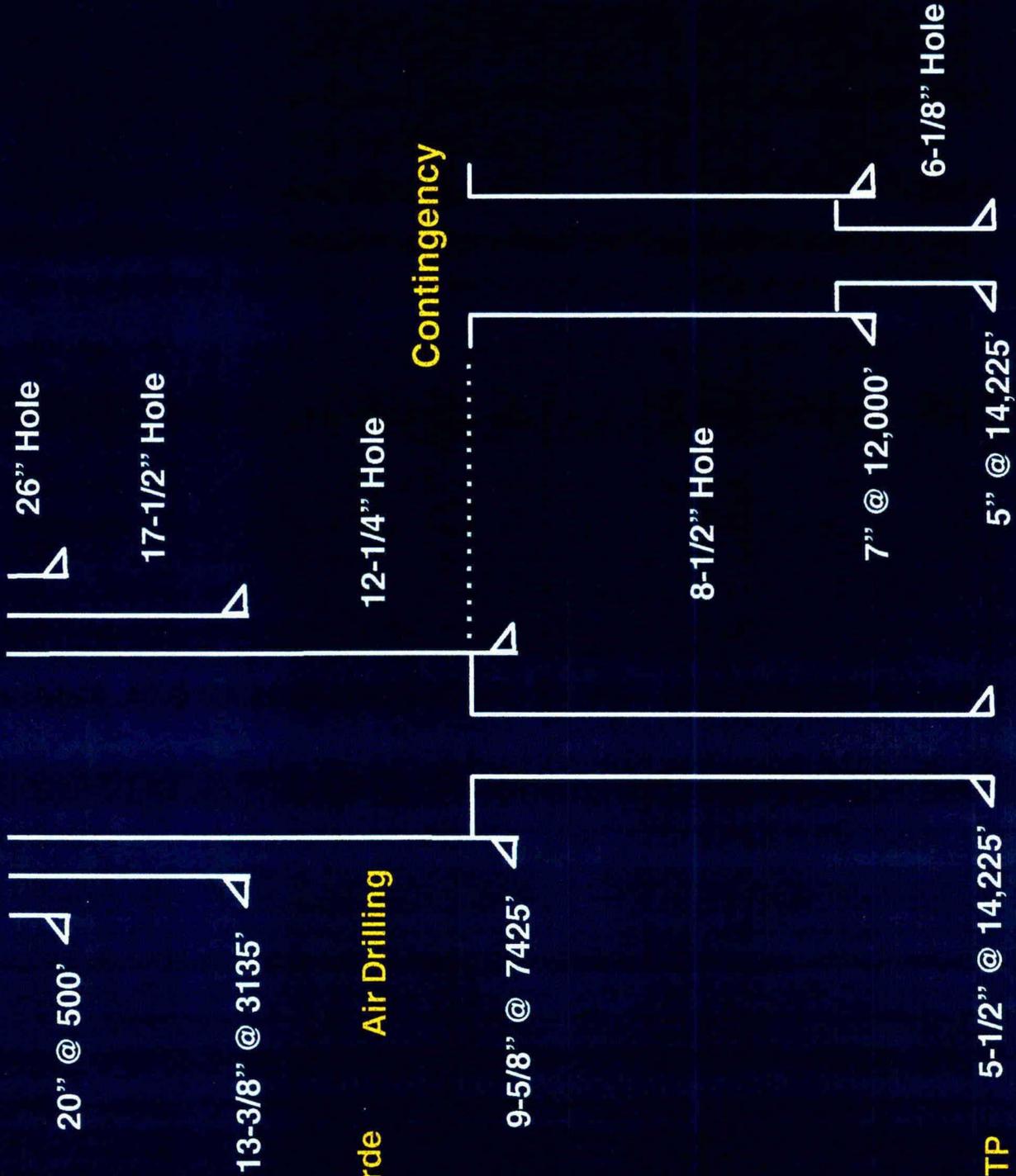
Pennsylvanian

H₂S - 1%, CO₂ - 1%

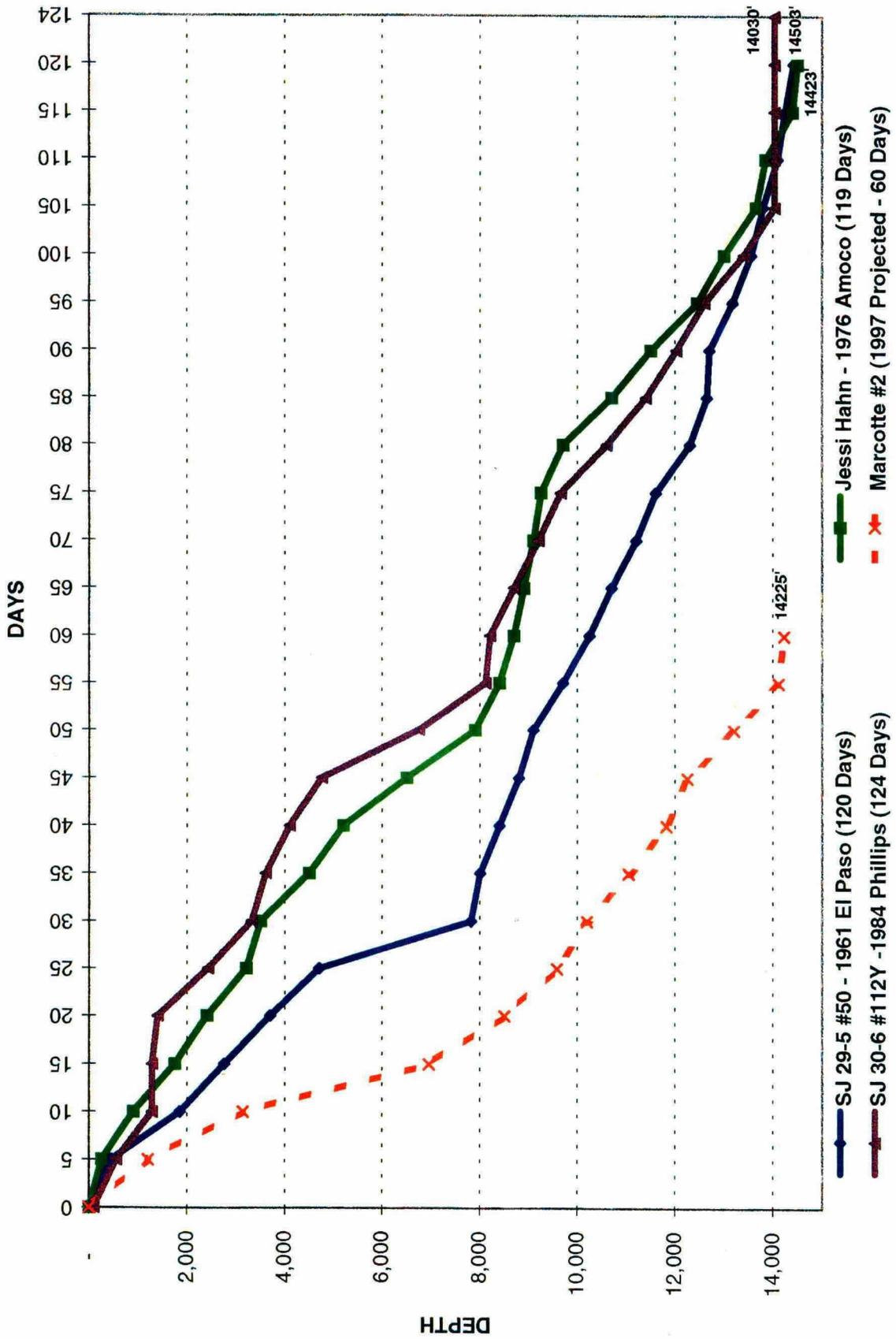
BHT @ 350 Deg. F

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: 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: 2rd Qtr 1997

Prepared By: C. E. Lane

Estimated Completion Date: 2rd Qtr 1997

GROSS WELL DATA

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

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:	0.00%	0	\$0
Others :	<u>90.689507%</u>	\$ <u>1,064,514</u>	\$ <u>2,101,252</u>
AFE TOTAL:	100.00%	\$ <u>1,713,800</u>	\$ <u>2,316,973</u>

BURLINGTON RESOURCES APPROVAL

Approved: [Signature] Approved: [Signature]
 Title: Mgr. Dr. U Date: 4/10/97 Title: Land Manager Date: 4-14-97
 Approved: [Signature] Approved: [Signature]
 Title: Manager Date: 4/10/97 Title: ... Date: 4/10/97

PARTNER APPROVAL

Company Name: _____ Date: _____
 Authorized By: _____ Title: _____

Cost Estimate

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

AS

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

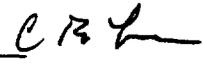
Total Cost	\$1,713,800	\$77,100	\$1,790,900
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All Costs include tax where applicable.

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: _____



Intangible Costs

Account Number	Estimated Days: 15	Total Estimated Cost
249		
02	Location, Roads or Canals	\$1.00
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: _____

CEL

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