Company Western Drilling of Arizona — Lease & Well No. #1-A Chinn

Elevation TIGHT HOLE — Formation --- — Effective Pay --- Ft. — Ticket No. 16649

Date 10/3/82 — Sec. 24 — Twp. 27S — Range 4E — County Butler — State Kansas

Test Approved by Don Bramwell — Western Representative Allen Edgington

Formation Test No. 1 — Interval Tested from 1411 ft. to 1499 ft. — Total Depth 1499 ft.

Packer Depth 1406 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Packer Depth 1411 ft. — Size 6 3/4 in. — Packer Depth - ft. — Size - in.

Depth of Selective Zone Set -

Top Recorder Depth (Inside) 1428 ft. — Recorder Number 5666 — Cap. 3950

Bottom Recorder Depth (Outside) 1432 ft. — Recorder Number 3354 — Cap. 4200

Below Straddle Recorder Depth - ft. — Recorder Number - — Cap. -

Drilling Contractor Duke Drlg. Rig #3 — Drill Collar Length 122 — I. D. 2¼ in.

Mud Type - — Viscosity 38 — Weight Pipe Length 315 — I. D. 2¼ in.

Weight 9.2 — Water Loss - cc. — Drill Pipe Length 964 — I. D. 3.8 in.

Chlorides - P.P.M. — Test Tool Length 20 ft. — Tool Size 5 in.

Jars: Make - — Serial Number - — Anchor Length 88 ft. — Size 5 in.

Did Well Flow? Yes — Reversed Out No — Surface Choke Size 3/4 in. — Bottom Choke Size 3/4 in.

Main Hole Size 7 7/8 in. — Tool Joint Size 4½XH in.

Blow: Strong throughout test. Gas to surface in forty-eight minutes. Gas too weak to gauge.

Recovered 270 ft. of muddy water — Chlorides 5,500 ppm

Recovered ft. of

Recovered ft. of

Recovered ft. of

Recovered ft. of

Remarks:

Time Set Packer(s) 12:00 A.M. ~~P.M.~~ — Time Started Off Bottom 2:00 A.M. ~~P.M.~~ — Maximum Temperature -

Initial Hydrostatic Pressure			(A)	686	P.S.I.	
Initial Flow Period	Minutes 30	(B)	64	P.S.I. to (C)	92	P.S.I.
Initial Closed In Period	Minutes 27	(D)	345	P.S.I.		
Final Flow Period	Minutes 30	(E)	131	P.S.I. to (F)	153	P.S.I.
Final Closed In Period	Minutes 27	(G)	331	P.S.I.		
Final Hydrostatic Pressure			(H)	646	P.S.I.	

WTC

WESTERN TESTING CO., INC.
Pressure Data

Date 10/3/82 Test Ticket No. 16649

Recorder No. 5666 Capacity 3950 Location 1428 Ft.

Clock No. -- Elevation ---- Well Temperature ---- °F

Point		Pressure			Time Given	Time Computed
A	Initial Hydrostatic Mud	686 P.S.I.	Open Tool		12:00A M	
B	First Initial Flow Pressure	64 P.S.I.	First Flow Pressure		30 Mins.	30 Mins.
C	First Final Flow Pressure	92 P.S.I.	Initial Closed-in Pressure		30 Mins.	27 Mins.
D	Initial Closed-in Pressure	345 P.S.I.	Second Flow Pressure		30 Mins.	30 Mins.
E	Second Initial Flow Pressure	131 P.S.I.	Final Closed-in Pressure		30 Mins.	27 Mins.
F	Second Final Flow Pressure	153 P.S.I.				
G	Final Closed-in Pressure	331 P.S.I.				
H	Final Hydrostatic Mud	646 P.S.I.				

PRESSURE BREAKDOWN

First Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Mins.	Press.
P 1	0	64
P 2	5	64
P 3	10	69
P 4	15	77
P 5	20	83
P 6	25	90
P 7	30	92
P 8		
P 9		
P10		
P11		
P12		
P13		
P14		
P15		
P16		
P17		
P18		
P19		
P20		

Initial Shut-In
Breakdown: 9 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	92
	3	210
	6	254
	9	278
	12	300
	15	310
	18	322
	21	333
	24	340
	27	345

Second Flow Pressure
Breakdown: 6 Inc. of 5 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	131
	5	131
	10	137
	15	141
	20	146
	25	150
	30	153

Final Shut-In
Breakdown: 9 Inc. of 3 mins. and a final inc. of 0 Min.

Point	Minutes	Press.
	0	153
	3	202
	6	235
	9	261
	12	279
	15	293
	18	306
	21	318
	24	326
	27	331

TKT # 16649

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