

EXOIL NO LIABILITY
DRILL STEM TEST REPORT

Form 5
Report No. 9

Well: EAST MEREENIE 3 Elevation K.B.: 2532' G.L.: 2518' Date: 13th January, 1966

Test No.: 1 Interval: 5178' - 5215' Operator: Exoil

Tester, Size & Type: 4 $\frac{3}{4}$ " Johnston CO Packer, Size & Type 6 $\frac{3}{8}$ " Open Hole

Anchor, Length & O.D.: 37' x 4 $\frac{3}{4}$ " Drill Collar Footage above Tester: 346'

Capacity (bbl./foot) - Drill Pipe: 0.0142 Drill Collars: 0.0045

Pressure (Type: T1 Position: Above Packer (From 5177' To 5207'

Bombs

(T1

Bottom Tail

Anchor

Perforations

(From _____ To _____

Shut In Tool

~~Disk-Valve~~ Position: Above tester Water Cushion: Nil Mud Wt.: 9.5 Vis: 28

Chokes - Top: Nil B.H.: $\frac{5}{8}$ "* Drill pipe, size & Type: 4 $\frac{1}{2}$ " x 16.6

Full Hole, Size & Depth: 7 $\frac{7}{8}$ " 5215' Rat Hole, Size & Depth: -

Mud Level, Before Valve Opened: Surface After Valve Opened: Surface

Time Record: Started In: 6:45 a.m. Set Packer: 9:15 a.m. Valve Opened: 9:25 a.m.

Tool Opened

~~Disk-Broken~~ See below Valve Shut: See below Pulled Packer: 5:55 p.m. Out of Hole: 9:15 p.m.

Nature of Blow: Good initial blow, remaining steady throughout flow period,
gas to surface 20 minutes.

Gas flow Measuring Method: Pitot tube and manometer through 2" riser.

Time: 10:00 a.m., 10:30 a.m., 12:00 p.m., 2:00 p.m. 4:00 p.m.

Reading: "H₂O 0.3 0.4 0.4 0.4 0.4

Rate of Flow: m.c.f.d. 76 88 88 88 88

Oil or Water Flow: Nil

Fluid Recovery: 22 barrels free oil

Chart Readings: Time Elapsed, mins: ISI Nil Flowing: 500 FSI Nil

Pressures: IHP 2377 ISIP - IFP 50 FFP 665 FSIP - FHP 2377

Maximum Temperature: < 200°F Bottom hole

Samples: 2 tins, 3 bottles of oil

Remarks: After the valve opened an attempt was made to take an initial
shut in due to high hole deviation, the shut in tool could not be
Remarks: rotated closed (tool was found to be damaged after test was run).

An attempt was also made to take a final shut in but this also was
unsuccessful. Charts showed the tool to be opened throughout the
test. Recovery was reverse circulated before coming out of hole and
measured, in a storage tank. Test was mechanically successful. Both
charts identical. Chart readings above are from the bottom recorder.
Oil is green-brown in reflected light and has milky blue fluorescence.
Gravity is approx. 46° A.P.I. Test shows zone to have low permeability.

* NOTE:- Wash pipe in 4 stage initial shut in Tool has I.D. of $\frac{5}{8}$ "
(effective choke).

Geologist: D. Benbow

EX OIL PTY. LTD. EAST MERRINIE No. 3

D.S.T. No. 1 5178' - 5215' 13. 1. 66

BOTTOM RECORDER



EXOIL NO LIABILITY
DRILL STEM TEST REPORT

Form 5
Report No. 9

Well: EAST MERREENIE 3 Elevation K.B.: 2532' G.L.: 2518' Date: 14th January, '66
Test No.: 2 Interval: 5072' - 5215' Operator: Exoil
Tester, Size & Type: 4 $\frac{3}{4}$ Johnston Co Packer, Size & Type 6 $\frac{5}{8}$ " Open Hole
Anchor, Length & O.D.: 143' 6 $\frac{1}{4}$ " Drill Collar Footage above Tester: 260
Capacity (bbl./foot) - Drill Pipe: 0.0142 Drill Collars: 0.0045
Pressure (Type: T1 Position: Above Tester (From 5073' To 5089'
Bombs (T1 Below Perfor- Anchor Perforations (From _____ To _____
ations
Shut In Tool
Disk Valve Position: Above Test-er Water Cushion: Nil Mud Wt.: 9.5 Vis: 28
Chokes - Top: Nil B.H.: $\frac{5}{8}$ " Drill pipe, size & Type: 4 $\frac{1}{2}$ x 16.6
Full Hole, Size & Depth: 7 $\frac{7}{8}$ " 5215' Rat Hole, Size & Depth: -
Mud Level, Before Valve Opened: Surface After Valve Opened: Dropped rapidly
Time Record: Started In: 8:30am Set Packer: 10:35am Valve Opened: 10:55 am
Tool Opened
Disk Broken: - Valve Shut: - Pulled Packer: 11:15am Out of Hole: 2:00 pm.
Nature of Blow: Test misrun

Gas flow Measuring Method: _____

Time: _____

Reading: _____

Rate of Flow: _____

Oil or Water Flow: _____

Fluid Recovery: _____

Chart Readings: Time Elapsed, mins: ISI - Flowing: - FSI -

Pressures: IHP 2363 ISIP - IFP - FFP - FSIP - FHP 2363

Maximum Temperature: _____

Samples: _____

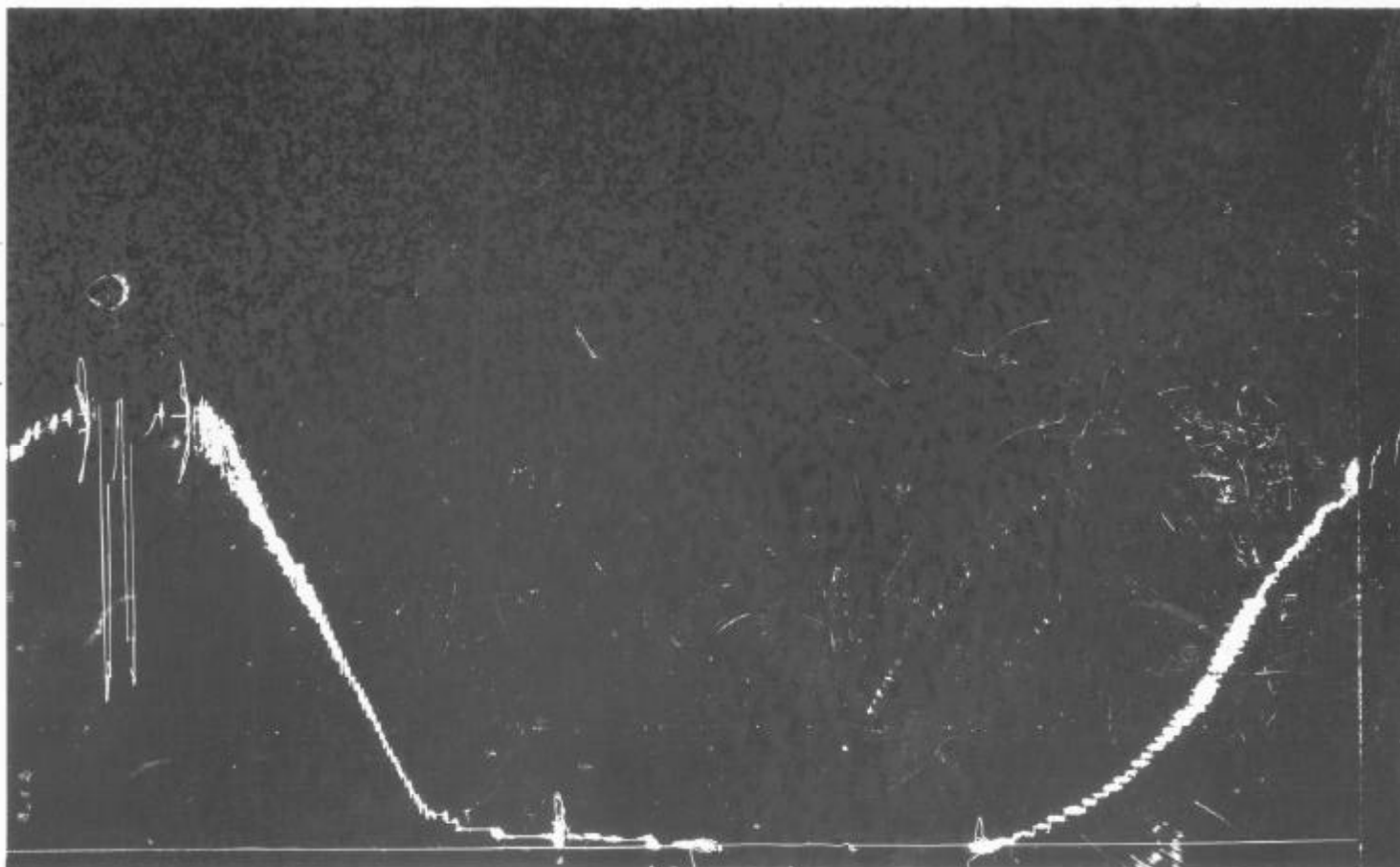
Remarks: No shut ins taken, Test misrun due Packer failure. Attempt set Packer twice, unsuccessful, chart readings from bottom recorder.

Geologist: Dennis Benbow

EX OIL PTY. LTD. EAST MEREENIE No. 3

D. S. T. No. 2 5072' - 5215' 14. E. 66

BOTTOM CHART



EXOIL NO LIABILITY
DRILL STEM TEST REPORT

Form 5
Report No. 9

Well East Mereenie Elevation K.B.: 2532' G.L.: 2518' Date: 14th January, 1966
Test No.: 3 ^{No. 3} Interval: 5072' - 5215' Operator: Exoil
Tester, Size & Type: 4 1/2" Johnston CO Packer, Size & Type 7 1/2" Open Hole
Anchor, Length & O.D.: 143' 6 1/4" Drill Collar Footage above Tester: 260'
Capacity (bbl./foot) - Drill Pipe: 0.0142 Drill Collars: 0.0045
Pressure (Type: T1 Position: Above Packer (From 5073' To 5089'
Bombs { T1 Anchor (Below Perforations Perforations (From To
Shut In Tool Above
~~Drill Valve~~ Position: tester Water Cushion: Nil Mud Wt.: 9.5 Vis: 28
Chokes - Top: Nil B.H.: 5/8" Drill pipe, size & Type: 4 1/2 x 16.6
Full Hole, Size & Depth: 7 7/8" 5215' Rat Hole, Size & Depth: -
Mud Level, Before Valve Opened: Surface After Valve Opened: Surface
Time Record: Started In: 2:30 p.m. Set Packer: 4:37 pm Valve Opened: 4:53 p.m.
Tool Opened
~~Drill Broken~~: - Valve Shut: - Pulled Packer: 7:50 pm Out of Hole: 10:30 pm
Nature of Blow: Good initial blow, remaining steady throughout flow period.
Gas to surface 65 minutes.
Gas flow Measuring Method: Pitot tube and manometer through 2" riser.

Time: 6:15 p.m. 6:30 p.m. 7:00 p.m.

Reading: "H₂O" 0.1 0.1 0.1

Rate of Flow: m.c.f.d. 44 44 44

Oil or Water Flow: Nil

Fluid Recovery: 4 barrels free oil (approximate measure). Charts show recovery to be one barrel.

Chart Readings: Time Elapsed, mins: ISI - Flowing: 180 FSI -

Pressures: IHP 2363 ISIP - IFP 194 FFP 233 FSIP - FHP 2363

Maximum Temperature: < 200°F

Samples: Nil

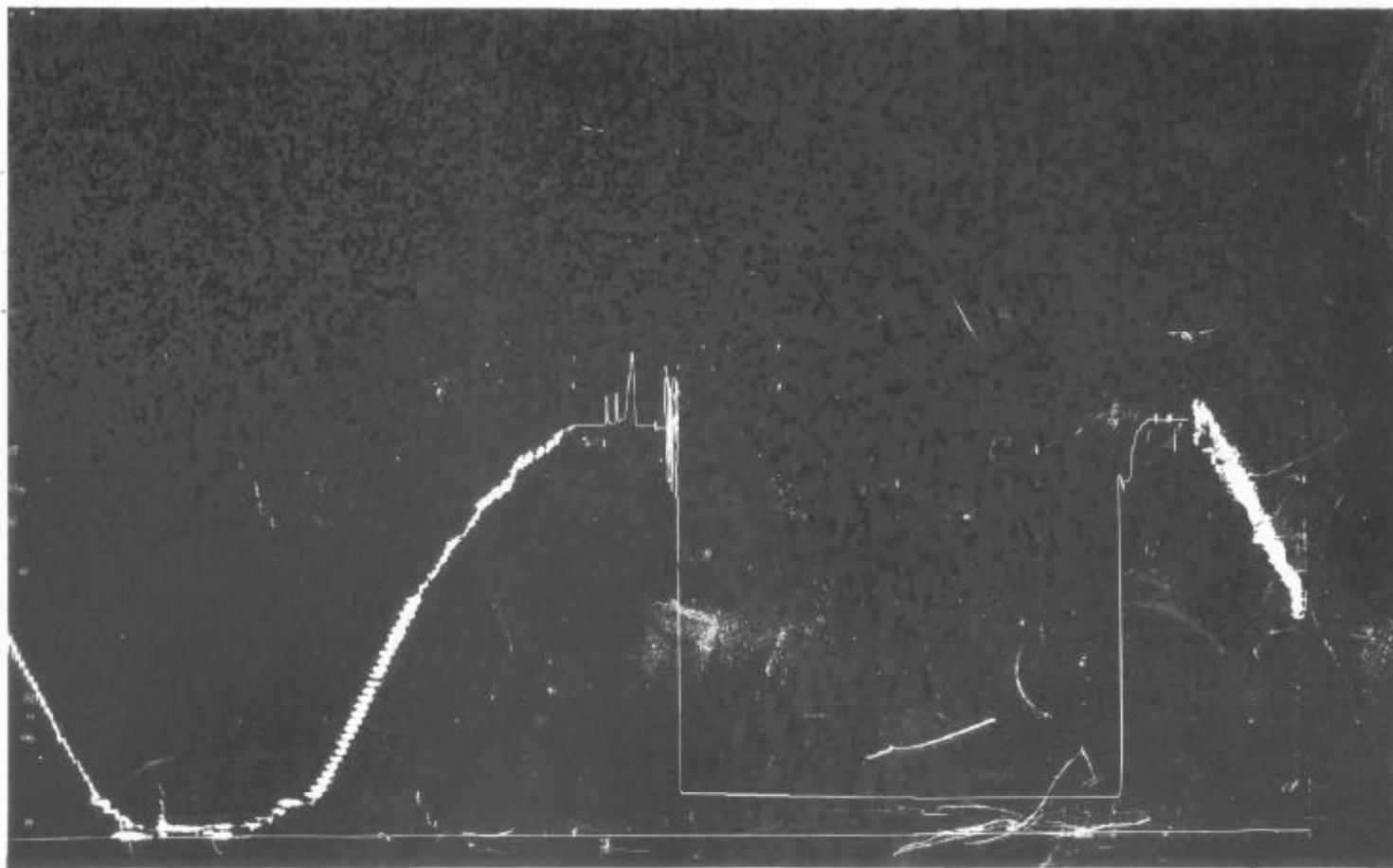
Remarks: No shut-ins taken. Test mechanically successful. Both charts identical. Readings above from bottom chart. Oil is green-brown in reflected light, has milky blue fluorescence, approximately 46° A.P.I. gravity. Recovery was reverse circulated before coming out of hole. Interval has low permeability.

Geologist: D. D. Benbow

EX OIL PTY. LTD. EAST MEREEENIE NO. 3

D. S. T. No. 3 5072' - 5215' 14. 1. 66

BOTTOM CHART



EXOIL NO LIABILITY
DRILL STEM TEST REPORT

Form 5
Report No. 9

Well: East Mereenie Elevation K.B.: 2532' G.L.: 2518' Date: 15th January, 1966
Test No.: 4 Interval: 4913' - 5215' Operator: Exoil
Tester, Size & Type: 4 1/2" Johnston CO Packer, Size & Type 9" Open Hole
Anchor, Length & O.D.: 302' 6 1/2" Drill Collar Footage above Tester: 603'
Capacity (bbl./foot) - Drill Pipe: 0.0142 Drill Collars: 0.0045

Pressure (Type: T1 Position: Above Packer (From 4914' To 4936'
Bombs { T1 Below Perforations Anchor (Perforations (From To
Shut-in Tool Above
~~Disc Valve~~ Position: tester Water Cushion: Nil Mud Wt.: 9.5 Vis: 28
Chokes - Top: Nil B.H.: 5" Drill pipe, size & Type: 4 1/2 x 16.6
Full Hole, Size & Depth: 7 7/8" 5215' Rat Hole, Size & Depth: -
Mud Level, Before Valve Opened: Surface After Valve Opened: Surface
Time Record: Started In: 4:00 a.m. Set Packer: 6:45 am Valve Opened: 6:55 a.m.
Tool Opened
~~Disc Breaker~~ - Valve Shut: - Pulled Packer: 11:00 am Out of Hole: 2:00 p.m.
Nature of Blow: Good initial blow remaining steady throughout flow period,
gas to surface 60 minutes.
Gas flow Measuring Method: Pitot tube and manometer through 2" riser.

Time:	8:15 a.m.	9:00 a.m.	10:00 a.m.	10:30 a.m.
Reading: " <u>H₂O</u>	0.2	0.2	0.2	0.2
Rate of Flow: <u>m.c.f.d.</u>	62	62	62	62
Oil or Water Flow: <u>Nil</u>				
Fluid Recovery: <u>3 barrels free oil (approximate measure). Charts show recover</u> <u>to be 1 1/2 barrels.</u>				
Chart Readings: Time Elapsed, mins: ISI <u>-</u> Flowing: <u>240</u> FSI <u>-</u>				
Pressures: IHP <u>2259</u> ISIP <u>-</u> IFP <u>116</u> FFP <u>220</u> FSIP <u>-</u> FHP <u>2259</u>				
Maximum Temperature: <u>139°F</u>				
Samples: <u>Nil</u>				

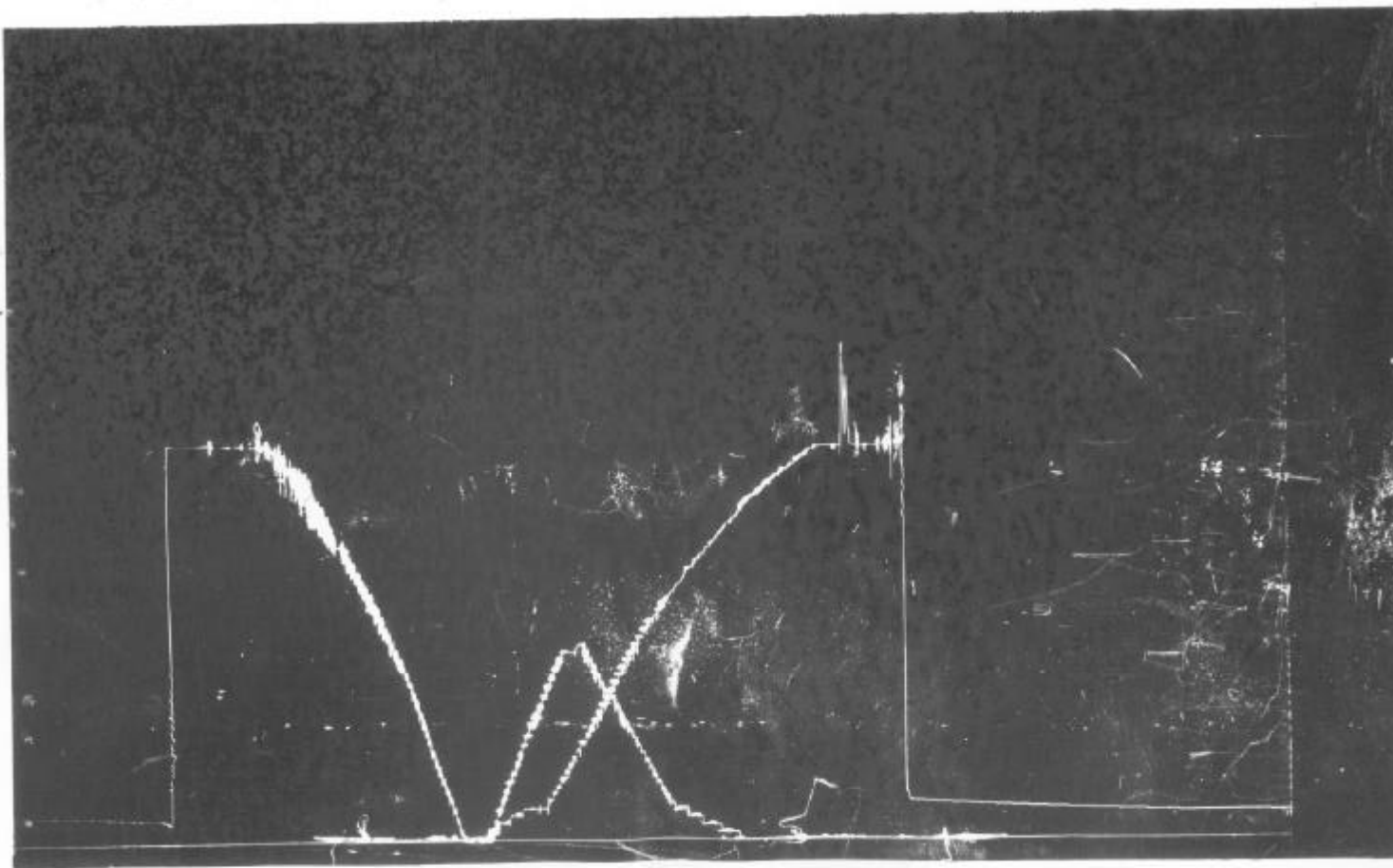
Remarks: No shut-ins taken. Test mechanically successful. Both charts identical. Readings above from bottom chart. Oil is green-brown in reflected light, has milky blue fluorescence, approximately 46° A.P.I. gravity. Recovery was reverse circulated before coming out of hole. Interval has slight permeability.

Geologist: D. Benbow

EX OIL PTY. LTD. EAST MERREENIE No. 3

D. S. T. No. 4 4913' - 5212' 15. 1. 66

BOTTOM RECORDER



EXOIL NO LIABILITY
DRILL STEM TEST REPORT

Form 5
Report No. 10

Well: EAST MERREENIE 3 Elevation K.B.: 2532' G.L.: 2518' Date: 16th Jan. 1966.
Test No.: 5 Interval: 4724' - 4920' Operator: Exoill
Tester, Size & Type: 4 3/4 Johnston CO Packer, Size & Type 9" Open Hole
Anchor, Length & O.D.: 196 Drill Collar Footage above Tester: 254
Capacity (bbl./foot) - Drill Pipe: 0.0142 Drill Collars: 0.0045
Pressure (Type: T1 Position: Above Packer (From 4725' to 4755'
Bombs (Anchor (From _____ To _____
(T1 Below Perforations Perforations (From _____ To _____
Shut In Tool
~~Mask Valve~~ Position: Above Test Water Cushion: Nil Mud Wt.: 9.5 Vis: 28
Chokes - Top: Nil B.H.: 5" Drill pipe, size & Type: 4 1/2 x 16.6
Full Hole, Size & Depth: Surface Rat Hole, Size & Depth: -
Mud Level, Before Valve Opened: Surface After Valve Opened: Surface
Time Record: Started In: 3:30am Set Packer: 6:05am Valve Opened: 6:15 am
~~Tool Opened~~
~~Blow Broken~~ 6:50am Valve Shut: 7:50am Pulled Packer: 8:20am Out of Hole: 11:00am
Nature of Blow: Very weak initial air blow dying rapidly, no blow for
remainder of flow period.
Gas flow Measuring Method: No gas to surface
Time: -
Reading: -
Rate of Flow: -
Oil or Water Flow: Nil
Fluid Recovery: 45 Drilling fluid.
Chart Readings: Time Elapsed, mins: ISI 30 Flowing: 60 FSI 30
Pressures: IHP 2167 ISIP 233 IFP 116 FFP 116 FSIP 181 FHP 2167
Maximum Temperature: 139° F
Samples: 2 cans of fluid

Remarks: 3 Minute drawdown on formation before initial shut in; Test mechanically succesful, both charts identical, readings above from bottom chart. Interval tight.

Note:- Test was run off the top of cement plug No. 4 at 4920'.

Geologist: D. Benbow

EX OIL PTY. LTD. EAST MEREEHIE NO 3

D. S. T. No. 5 4724' - 4920' 16. 1. 66

BOTTOM CHART

