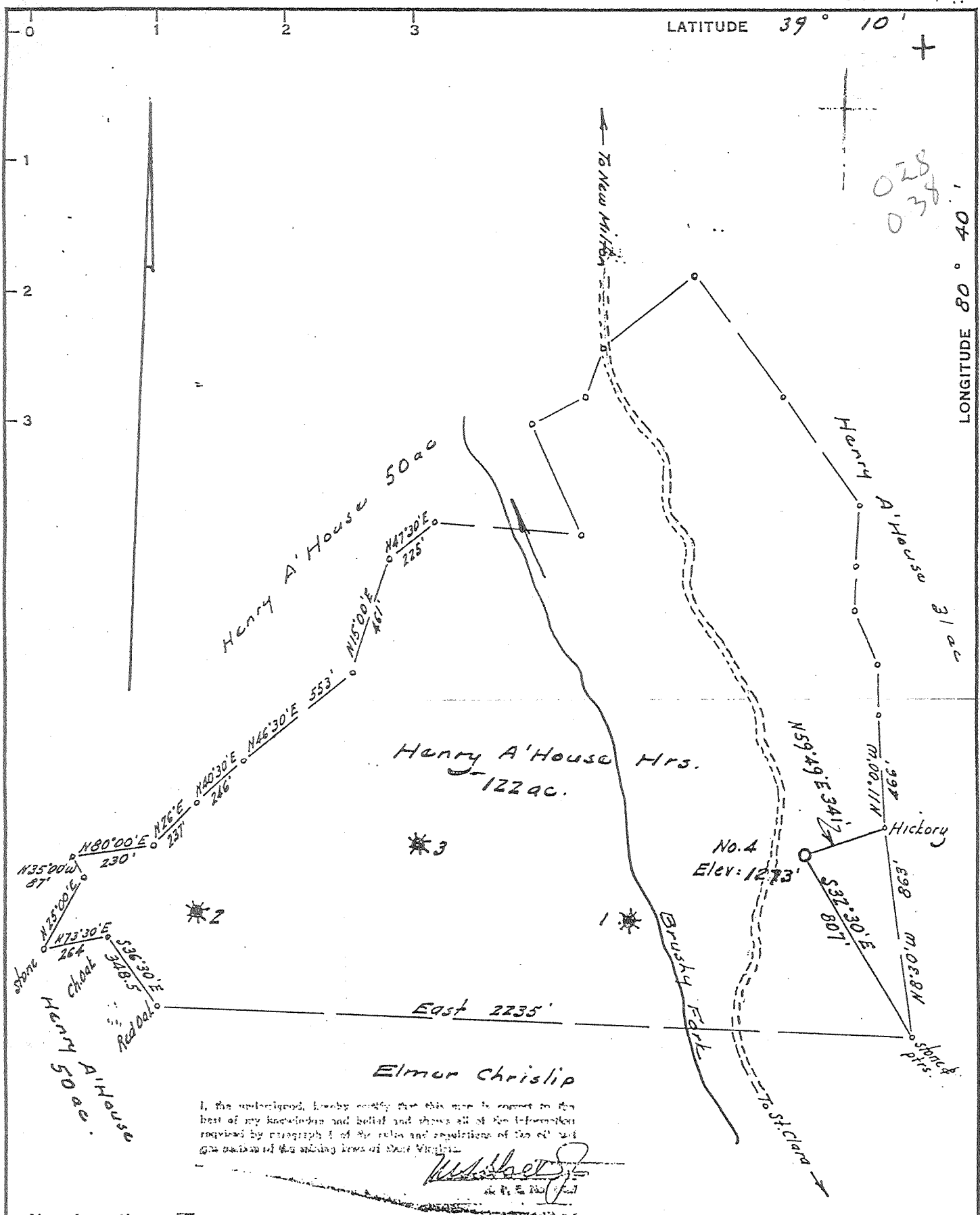


2000'

1500'



I, the undersigned, hereby certify that this map is correct to the best of my knowledge and belief and shows all of the information required by paragraph 1 of the rules and regulations of the oil and gas division of the Mining Laws of West Virginia.

W. A. Abbott Jr.
 W. A. Abbott Jr.
 State of West Virginia

- New Location.....
- Drill Deeper.....
- Abandonment.....

Elevation taken from Elmor Crislip #1
 Error in Closure: - Less than 1' in 200'

Company	EXCEL ENERGY	Tanison
Address	PO Box 1020	
	1161 BROOKPORT, NV 26330	nt, Mich
Farm	Henry A' House Heirs	
Tract	Acres 122	Lease No.
Well (Farm) No.	Four	Serial No.
Elevation (Spirit Level)	1273	
Quadrangle	Kadis NEW MILTON 7 1/2	
County	Doddridge District New Milton	
Engineer	<i>W. A. Abbott Jr.</i>	
Engineer's Registration No.	1227	
File No.	Drawing No.	
Date	June 7, 1964	Scale 1" = 300' = 495'

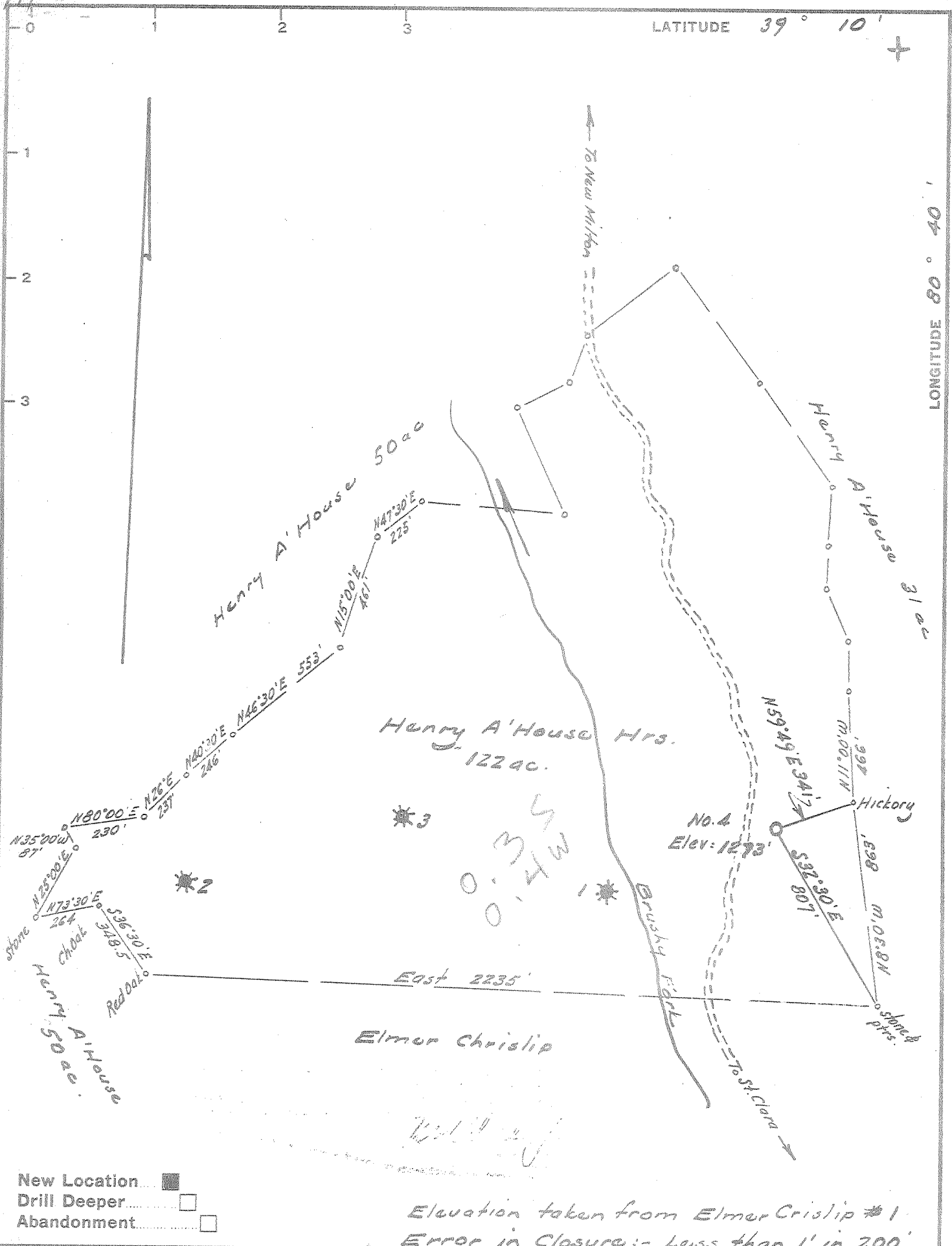
STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. 00d-1181P

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

0000 1181 P



Company R. Wayne Christenson
 Address 1161 N. Ballinger Hy. Flint, Mich
 Farm Henry A' House Hrs
 Tract _____ Acres 122 Lease No. _____
 Well (Farm) No. Four Serial No. _____
 Elevation (Spirit Level) 1273
 Quadrangle Vadis - WC
 County Doddridge District New Milton
 Engineer W. S. Black
 Engineer's Registration No. 1227
 File No. _____ Drawing No. _____
 Date June 7, 1964 Scale 1" = 300' = 495'

STATE OF WEST VIRGINIA
 DEPARTMENT OF MINES
 OIL AND GAS DIVISION
 CHARLESTON

WELL LOCATION MAP
 FILE NO. Dod-1181

† Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.
 - Denotes one inch spaces on border line of original tracing.



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION 7

Rotary
Spudder
Cable Tools
Storage

Quadrangle Vader

Permit No. DOD 1181

WELL RECORD

Oil or Gas Well Both
(KIND)

Company R. WAYNE CHRISTENSON
Address 1161 North Ballenger, Flint, Mich.
Farm Henry Ahouse Acres 122
Location (waters) Brushy Fork
Well No. Four (4) Elev. 1273
District New Milton County Doddridge
The surface of tract is owned in fee by O.C. Haught
Salem, West Va Address Route 1
Mineral rights are owned by O.C. Haught et al 1/2
Cumpston heirs 1/2 Address Haught-Salem
Cumpston heirs--New Milton Oct 25, 1964
Drilling commenced November 19th, 1964
Drilling completed November 19th, 1964
Date Shot From To
With _____
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure _____ lbs. _____ hrs.
Oil 10 bbls., 1st 24 hrs.
WELL ACIDIZED No.
WELL FRACTURED yes, Dowell Co.

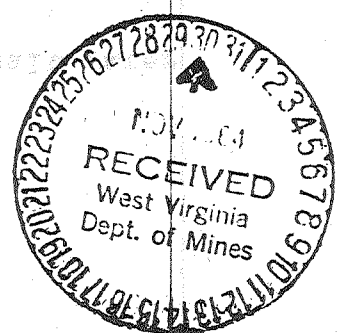
Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			Kind of Packer <u>none</u>
16			
13			
10	<u>193'</u>	<u>193'</u>	Size of _____
8 1/4	<u>1229'</u>	<u>none</u>	Depth set _____
6 5/8	<u>1733'</u>	<u>none</u>	
5 3/16			Perf. top _____
4-1/2	<u>2333'</u>	<u>2333'</u>	Perf. bottom _____
2			Perf. top _____
			Perf. bottom _____

CASING CEMENTED yes SIZE 4-1/2 No. Ft. 2333' Date 10/24/64
Lawson Cementing Co.

COAL WAS ENCOUNTERED AT none FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES
FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT well coming back slow, making about 15 BOPD, 50,000 gas.
ROCK PRESSURE AFTER TREATMENT 500 lbs.
Fresh Water 90' to 120' Feet Salt Water yes Feet 1168' to 1175'

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Mud		soft	0	5			
Red Rock	red	"	5	20			
sand	white	"	20	40			
red rock	red	"	40	58			
sand	white	"	68	75			
slate	brown	"	75	90			
sand	white	"	90	120	fresh water		
slate	brown	"	120	130			
red rock	red	"	130	150			
slate	white	"	150	191			
red & grey		"	191	230			
grey & shells wht		hard	230	340			
red rock	red	soft	340	385			
Lime	white	hard	385	400			
slate	brown	hard	400	424			
lime	white	"	424	444			
sandy-shle	white	hard	444	465			
red rock	soft	"	465	500			
sand	white	"	500	520			
red rock	red	soft	520	535			
slate	brown	"	535	560			
red rock	"	"	560	600			
shale	grey	"	600	623			
red rock	red	"	623	672			
sand	white	hard	672	738			
shale	grey	soft	738	748			
sand	hard	white	748	800			
slate & shell	grey	hard	800	828			
sand	white	"	828	845			
slate	black	med	845	852			



Formation	Color	Hard or Soft	Top 7	Bottom	Oil, Gas or Water	Depth Found	Remarks
slate	brown	soft	852	869			
sand	white	hard	869	925			
lime-shell	"	"	925	938			
sand-shale	grey	"	938	945			
red rock	red	soft	945	960			
sand-shale	grey	hard	960	974			
sand	white	"	974	1009			
slate	brown	soft	1009	1020			
red rock	red	"	1020	1123			
sand	white	hard	1123	1140			
slate	brown	soft	1140	1168			
sand	white	hard	1168	1175	salt water		
slate	brown	soft	1175	1192			
sand	white	hard	1192	1210			
shale	grey	soft	1210	1229			
sandy-shale	"	hard	1229	1254			
slate	black	med	1264	1288			
sand	white	hard	1288	1322			
sandy-shale	grey	med	1322	1360			
sand	white	hard	1360	1375			
slate	grey	med	1375	1385			
sand	white	hard	1385	1434			
slate	grey	soft	1434	1477			
lime	white	hard	1477	1490			
shale	grey	soft	1490	1500			
lime	white	hard	1500	1507			
slate	black	soft	1507	1507			
slate&shells	wht	hard	1507	1619			
sand	white	hard	1619	1698			
limey sand	"	"	1698	1710			
sand	"	"	1710	1725			
slate	black	med	1725	1760			
slate	grey	"	1760	1790			
lime-sand	white	hard	1790	1810			
slate	brown	soft	1810	1900			
sand	white	hard	1900	1975			
slate	brown	soft	1975	2053			
limey-slate	white	hard	2053	2063			
slate	black	soft	2063	2105			
red rock	red	"	2105	2205			
slate	brown	"	2205	2225			
lime	white	hard	2225	2240			
slate	brown	soft	2240	2260			
Lime	white	hard	2250	2250	---corrected measurement(Big Lime)		
lime	white	"	2250	2309	---top of Keener		
sand	"	"	2309	2319	---top of Big Injun sand		
sand	"	"	2319	2395	--- T.D.		
					First show of oil 2336' to 2350'		
					show of oil from 2354' to 2360'		

Date November 27th, 19 64

APPROVED R. Wayne Christenson, Owner

By Homer Robinson (Title) superintendent

