

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special		Test Date 2-15-74	
Company Skelly Oil Company		Connection Not Connected	
Pool Undesignated		Formation Point Lookout Mesa Verde	
Completion Date 2-8-74		Total Depth 8180	Plug Back TD 5847
		Elevation 7152	
Farm or Lease Name C.W. Roberts		Well No. 3	
Csg. Size 5.500	Wt. 17#	d 4.892	Set At 8178
Thg. Size 2.375	Wt. 4.7#	d 1.995	Set At 5796
Perforations: From 5808 To 5828		Perforations: saw-tooth pin From collar under S.N.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At -	
Producing Thru Tubing		Reservoir Temp. °F @ 130	Mean Annual Temp. °F -
Baro. Press. - P _a 12.2		State New Mexico	
L 5808	H 5808	G _g .72	% CO ₂ -
% N ₂ -		% H ₂ S none	Prover 2.000
Meter Run -		Days -	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
SI				1245			1245		1245		
1.	2.000 x .750			25		47	1245		27	47	1 hr.
2.	"	"		22		47	1245		24	47	2 hr.
3.	"	"		18		47	1245		19	47	3 hr.
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor °F	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.000		39.2	1.013	1.179	1.0000	515
2	11.000		36.2	1.013	1.179	1.0000	475
3	11.000		31.2	1.013	1.179	1.0000	373
4							
5							

NO.	P _r	Temp. °R	T	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					100	
2					52	
3					.720	XXXXXXX
4					XXXXX	.77
5						

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1					1.0007	1.0005
2						
3	973	33	1092	1578957		
4						
5						

Absolute Open Flow 373 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
---	--	-------------------------	---------------------

Remarks: **Well was tested flowing out of casing through WDKO separator using a 3/4" choke nipple to atmosphere. There is an insert pump, rods in tubing. This is the reason for testing out of casing.**

Approved By Commission:	Conducted By: R.P. Herrenreter <i>R.P. Herrenreter</i>	Calculated By: R.P. Herrenreter	Checked By:
-------------------------	---	---	-------------

11

12

13

14

15

16

17

18

19

20

21

22

23

24

25

26

27

28

29

30

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

80

81

82

83

84

85

86

87

88

89

90

91

92

93

94

95

96

97

98

99

100

101

102

103

104

105

106

107

108

109

110

111

112

113

114

115

116

117

118

119

120

121

122

123

124

125

126

127

128

129

130

131

132

133

134

135

136

137

138

139

140

141

142

143

144

145

146

147

148

149

150

151

152

153

154

155

156

157

158

159

160

161

162

163

164

165

166

167

168

169

170

171

172

173

174

175

176

177

178

179

180

181

182

183

184

185

186